

1994

EC94-872-S Nebraska Crop Budgets

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NEBRASKA

CROP BUDGETS

1994

By
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CROP BUDGETS

NEBRASKA - 1994

Edited By

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Crops Budgeting Procedures

The crop budgets were developed with the aid of a computerized crop budgeting program. A worksheet format has been used to make adjustments convenient. See "Your Estimate" column in each budget.

An example set of crop and machine operations were selected for each area. Representative field operating rates, fuel use, labor requirements, and materials needed have been budgeted for each crop. An annual use and years to trade were used to determine annual ownership costs for equipment. These assumptions are summarized at the beginning of each set of budgets. Although the budgets are titled by geographical areas of the state, the applicability of the budgets is determined more by climatic and soil conditions. Following is a summary of the budget areas:

- Panhandle:** The ditch irrigated budgets apply to irrigated farms in the North Platte Valley using water from the irrigation project ditches. The center pivot and dryland budgets apply to farms in the Panhandle region whose soil has a sandstone or sand and silt parent material.
- Southwest:** These budgets, unless otherwise specified, apply to the crops grown on upland areas in the Southwest part of the state. There are also some budgets which specifically apply to the Platte Valley in the western part of the state.
- North:** These budgets apply to crops grown in the Sandhills area which includes parts of Sheridan and Garden counties in the Panhandle.
- Central:** These budgets apply to irrigated and dryland farms in the south central part of Nebraska. Holdrege and Hastings soils are the predominant soil associations in this area.
- Northeast:** These budgets apply to the rolling hills area of the north eastern part of the state with Moody-Crofton soils. Some of the budgets specifically apply to the sandy areas of Pierce, Antelope and Holt counties.
- East Central:** The soils to which these budgets apply are flat to rolling glaciated soils of the Sharpsburg-Marshall-Shelby associations with Loess parent material.
- Southeast:** The soils to which these budgets apply are flat to rolling hills of Loess and Drift parent materials consisting of Crete, Fillmore, Wymore and Pawnee soil associations.

Cultural Practices and Yields

Tillage practices and materials used in the budgets were based on farm record data, workshops with growers, consultations with Extension specialists in other disciplines, and the judgement of the farm management specialists. All practices specified may not be utilized by an individual farmer. The cost of those not used can be easily deleted from the budget.

Yields shown in the budgets are representative of county averages over several years, including years of low yields due to such factors as drought, hail and insect damage. No allowance was made for the expense of crop insurance, or the income from crop insurance proceeds although space was provided for including crop insurance premiums.

Machinery Costs

Prices for the machinery were collected from selected dealers in early 1993. Costing factors, based on information in the Ag. Engineer's Yearbook specify repair rates and trade-in values as a proportion of list prices. The amount each machine was used annually and the years-to-trade then determines hourly repair costs and average annual depreciation and investment. The resulting repair cost estimates are averages over the years of use. Fuel consumption factors were based on Nebraska tractor test data.

Irrigation costs were calculated using prices of irrigation equipment collected in early 1993, engineering performance standards, and typical water application rates.

Current machinery and equipment prices are used to reflect repairs and ownership (depreciation and interest) costs in today's dollars. Custom rates for custom operations are based upon surveys conducted periodically.

Labor Costs

Labor requirements were calculated from machinery accomplishment rates and adjusted through a labor multiplier for "non-field" time required for crop production, such as getting machinery ready, driving to and from fields and hauling fertilizer and other supplies. For operations involving unattended machinery, such as irrigation, the labor multiplier reflects the labor required as a proportion of the machine time.

Interest Costs

Interest rates for machinery and land are commercial rates that have been adjusted for current inflation rates. Interest was calculated on the average investment over the years of use. The resulting estimated interest costs are in current dollars and assume any equity funds are charged the same rate as borrowed funds.

Overhead and Management Charges

Farm overhead expenses are budgeted at 5% of operating expenses. Overhead expenses include items which are normally not allocated to individual farm enterprises, yet are necessary to keep a business running. These include pickup expense, farm share of car expense, farm publications, unallocated farm utilities, cost of attending farm meetings and income tax preparation expense.

Management charges are budgeted on a per unit of production basis resulting in higher management charges for more productive land. Overhead and management charges are included so the total production cost will reflect a charge for all inputs used in the production process.

Land and Irrigation Ownership Charges

The land prices budgeted are representative of the area. The average investment in any irrigation system is subtracted from the land price to determine a price for the bare land with no irrigation development. Irrigation ownership costs are shown separately as interest and depreciation.

Prices Used for 1994 Crop Budgets

| Description | | Unit | Price | Budget Unit |
|--------------------------|-----------------|---------|--------|-------------|
| Custom Operations | | | | |
| Aerial Spray | | 1 ac | 4.00 | 4.00/ac |
| Apply Anhydrous | | 1 ac | 5.00 | 5.00/ac |
| Bale Round (1300 lbs.) | | 1 bale | 6.00 | 6.00/bale |
| Bale Round (ton) | | 1 bale | 9.75 | 9.75/bale |
| Bale(small square) | | 1 bale | .35 | .35/bale |
| Broadcast Spray | | 1 ac | 3.50 | 3.50/ac |
| Broadcast Spread | | 1 ac | 3.25 | 3.25/ac |
| Chop Silage | | 1 ton | 2.50 | 2.50/ton |
| Cultivate | | 1 ac | 6.00 | 6.00/ac |
| Dry | | 1 bu | .10 | .10/bu |
| Field Loaf Stack | | 1 stack | 10.00 | 10.00/stack |
| Load & Stack | | 1 stack | 9.71 | 9.71/stack |
| Move Bales | | 1 bale | 1.00 | 1.00/bale |
| Move Stack | | 1 stack | 10.00 | 10.00/stack |
| Nematicide Application | | 1 ac | 15.50 | 15.50/ac |
| Seeding,Alfalfa | | 1 ac | 6.00 | 6.00/ac |
| Soil Test | | 1 test | 11.75 | 11.75/test |
| Truck Silage | | 1 ton | 2.00 | 2.00/ton |
| Truck Sugar Beets | | 1 ton | 2.50 | 2.50/ton |
| Truck,Small Grain | | 1 bu | .12 | .12/bu |
| Truck,cwt. | | 1 cwt | .17 | .17/cwt |
| Windrow | | 1 ac | 7.50 | 7.50/ac |
| Fertilizer | | | | |
| Ammonium Sulfate | 21-0-0-26S | 1 ton | 191.67 | .10/lb |
| Anhydrous Ammonia | 82-0-0 | 1 ton | 192.00 | .12/lb. N |
| Di Ammonium Phosphate | 18-46-0 | 1 ton | 229.00 | .11/lb |
| Dry mix | 10-30-0-10S-1Z | 1 ton | 225.50 | .11/lb |
| Dry mix | 30-10-0 | 1 ton | 191.94 | .10/lb |
| Liquid N | 28-0-0 | 1 ton | 128.00 | .23/lb. N |
| Liquid mix | 10-34-0 | 1 ton | 213.20 | 1.22/gal |
| Liquid mix | 10-34-0-1Z | 1 ton | 220.00 | 1.25/gal |
| Potassium Sulphate | 0-0-22-22S-11MG | 1 ton | 183.33 | .09/lb |
| Sulfur | 90 % | 1 ton | 275.00 | .15/lb. S |
| Triple Sulfur Phosphate | 0-46-0 | 1 ton | 176.00 | .19/lb.P205 |
| Urea | 46-0-0 | 1 ton | 209.20 | .23/lb. N |
| Zinc Ammonium Acetate | 10-0-0-10Z | 1 ton | 489.00 | 2.54/gal |
| Fuel | | | | |
| Diesel w/o tax | | 1 gal | .65 | .65/gal |
| Diesel w/tax | | 1 gal | 1.13 | 1.13/gal |
| Elec Farm | | 1 Kwh | .06 | .06/Kwh |
| Elec Irrig inc. hookup | | 1 Kwh | .08 | .08/Kwh |
| Gasoline w/o tax | | 1 gal | .63 | .63/gal |
| Gasoline w/tax | | 1 gal | 1.05 | 1.05/gal |
| Nat'l Gas | | 1 CCF | 3.90 | 3.90/CCF |
| Propane | | 1 gal | .43 | .43/gal |
| Herbicide | | | | |
| 2,4-D Amine | | 1 gal | 10.75 | 1.34/pt |
| 2,4-D Ester | | 1 gal | 13.51 | 1.69/pt |
| Ally | | 1 oz | 28.46 | 28.46/oz |
| Atrazine (AAtrex) 4L | | 1 gal | 10.61 | 1.33/pt |
| Atrazine 90DF | | 1 lb | 3.02 | 3.02/lb |

Prices Used for 1994 Crop Budgets

| Description | Unit | Price | Budget Unit |
|--------------------------|--------|--------|-------------|
| Herbicide | | | |
| Banvel | 1 gal | 74.45 | 9.31/pt |
| Bicep | 1 gal | 32.51 | 8.13/qt |
| Bladex 4L | 1 gal | 23.93 | 5.98/qt |
| Bladex 90DF | 1 lb | 5.31 | 5.31/lb |
| Buctril | 1 gal | 52.45 | 6.56/pt |
| Bullet | 1 gal | 19.71 | 4.93/qt |
| Cyclone | 1 gal | 26.13 | 3.27/pt |
| Dual | 1 gal | 63.61 | 7.95/pt |
| Eptam 7E | 1 gal | 27.38 | 3.42/pt |
| Freedom | 1 gal | 11.96 | 2.99/qt |
| Glean | 1 oz | 18.23 | 18.23/oz |
| Karmex 80 W | 1 lb | 4.30 | 4.30/lb |
| Landmaster BW54 | 1 gal | 19.15 | .15/oz |
| Lariat | 1 gal | 19.22 | 4.81/qt |
| Lasso 4EC | 1 gal | 25.71 | 6.43/qt |
| Lasso II 15G | 1 lb | .99 | .99/lb |
| Prowl | 1 gal | 29.76 | 3.72/pt |
| Pursuit + | 1 gal | 76.03 | 9.50/pt |
| Ramrod-Atrazine | 1 gal | 14.92 | 3.73/qt |
| Roneet 7E | 1 gal | 51.50 | 6.44/pt |
| Roundup | 1 gal | 46.19 | 5.77/pt |
| Sencor 4L | 1 gal | 136.39 | 3.25/pt |
| Sencor DF | 1 lb | 25.96 | 25.96/lb |
| Sonalan | 1 gal | 32.29 | 4.04/pt |
| Treflan | 1 gal | 33.11 | 4.14/pt |
| Labor | | | |
| Haying | 1 hr | 6.00 | 6.00/hr |
| Move Cattle | 1 ac | .25 | .25/ac |
| Rogue Beans | 1 ac | 5.00 | 5.00/ac |
| Thinning | 1 ac | 40.00 | 40.00/ac |
| Thinning & Weeding Beets | 1 ac | 25.00 | 25.00/ac |
| Weeding Beets | 1 ac | 18.00 | 18.00/ac |
| Materials | | | |
| Temporary Fencing | 1 ac | 1.00 | 1.00/ac |
| Twine | 1 bale | 19.95 | .40/bale |
| Wire | 1 roll | 36.61 | .17/bale |
| Pesticide | | | |
| Asana | 1 gal | 120.00 | .94/oz |
| Counter 15G | 1 lb | 1.64 | 1.64/lb |
| Dipel | 1 gal | 32.50 | 4.06/pt |
| Dyfonate 20G | 1 lb | 1.99 | 1.99/lb |
| Furadan 15G | 1 lb | 1.70 | 1.70/lb |
| Lorsban (15 G) | 1 lb | 1.66 | 1.66/lb |
| Lorsban 4E | 1 gal | 44.56 | 5.57/pt |
| Parathion 4E | 1 gal | 39.00 | 9.75/lb |
| Pounce | 1 gal | 166.67 | 1.30/oz |
| Sulfur Flowable | 1 lb | .13 | .13/lb |
| Telane Nematicide | 1 gal | 9.85 | 9.85/gal |
| Tilt (Fungicide) | 1 gal | 350.00 | 2.73/oz |
| Rent | | | |
| Anhydrous Applicator | 1 ac | 1.50 | 1.50/ac |
| Broadcast Spreader | 1 ac | 1.00 | 1.00/ac |

Prices Used for 1994 Crop Budgets

| Description | Unit | Price | Budget Unit | |
|----------------------|--------------|--------|-------------|----------|
| Rent | | | | |
| Grain drill | 1 ac | 3.75 | 3.75/ac | |
| Seeder-Packer | 1 ac | 3.75 | 3.75/ac | |
| Seed | | | | |
| Alfalfa w/inoculant | 50 lb bag | 171.75 | 3.44/lb | |
| Cane Hay, Sudan | 50 lb bag | 23.74 | .47/lb | |
| Corn | 1 bag | 79.23 | 79.23/bag | |
| Dry Edible Beans | 1 cwt | 50.00 | 50.00/cwt | |
| Grass | 1 lb | 4.00 | 4.00/lb | |
| Millet | 50 lb bag | 18.00 | .36/lb | |
| Oats | 1 bu | 5.00 | 5.00/bu | |
| Sorghum | 50 lb bag | 43.60 | .87/lb | |
| Sorghum Safened | 50 lb bag | 53.60 | 1.07/lb | |
| Soybeans w/Inoculant | 50 lb bag | 14.43 | 14.43/bag | |
| Sugar Beets | 1 lb | 20.00 | 20.00/lb | |
| Sunflower | 50 lb bag | 160.00 | 3.20/lb | |
| Wheat | 50 lb bag | 8.50 | .17/lb | |
| Tax | | | | |
| Water Tax | budget A2-A7 | 1 ac | 18.50 | 18.50/ac |
| Water Tax | budget B4 | 1 ac | 19.00 | 19.00/ac |

DESCRIPTION OF THE GRAVITY IRRIGATED BUDGETS, NEBRASKA PANHANDLE

These budgets are intended to be representative of farms located in the North Platte Valley using irrigated project water. Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost worksheets.

P1 1994 Machinery List -- Panhandle Gravity Irrigated

| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
|--------------------|---------------------------------------|--------|------------|----------------|----------|----------|
| Power Units | | | | | | |
| 16 | Tractor 120 hp diesel cab | 61,289 | 500 hr | 10 | 18,103 | 3.06/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 600 hr | 10 | 19,370 | 3.93/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| Implements | | | | | | |
| 22 | Plow 5x15" | 8,914 | 300 ac | 15 | 932 | 1.88/ac |
| 30 | Tandem Disc 20' | 14,485 | 900 ac | 15 | 1,390 | .49/ac |
| 34 | Subsoiler 13.5' | 5,139 | 120 ac | 15 | 494 | .15/ac |
| 38 | Row Crop Cultivator 6 row x 30" | 3,803 | 750 ac | 10 | 672 | .26/ac |
| 47 | Rotary Hoe 15' | 3,327 | 400 ac | 15 | 320 | .06/ac |
| 49 | Roller/Packer 15' | 11,000 | 300 ac | 15 | 1,055 | .22/ac |
| 66 | Planter 6 row x 30" | 15,640 | 500 ac | 10 | 2,765 | 1.76/ac |
| 77 | Sprayer 2-200 gallon 15' saddle tanks | 2,600 | 300 ac | 20 | 127 | .13/ac |
| 79 | Bean Rod 15' | 3,265 | 120 ac | 15 | 334 | .07/ac |
| 81 | Bean Cutter 6 row x 30" | 4,066 | 120 ac | 15 | 417 | .09/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 92 | 15' pickup head | 17,378 | 760 ac | 10 | 3,278 | .79/ac |
| 99 | Forage Harvester 3 row | 27,642 | 240 ac | 10 | 4,562 | 2.09/ac |
| 104 | Defoliator 4 row x 30" | 17,500 | 120 ac | 15 | 1,792 | .92/ac |
| 107 | Beet Lifter 4 row x 30" | 60,000 | 140 ac | 15 | 5,760 | 4.15/ac |
| 114 | Ditcher 15' | 4,125 | 400 ac | 15 | 424 | .46/ac |

1994 Operations List* Panhandle Gravity Irrigated

| Pl Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| All Irrig. | Labor | | | |
| Apply Anhy | 17 | Rent | 7.70 Gal Diesel | 10% |
| Apply Nemat | Custom | | | |
| Bale | Custom | | | |
| Chop | 17 | 99 | 7.70 Gal Diesel | 10% |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 92 | 9.50 Gal Diesel | 10% |
| Cut | 16 | 81 | 6.10 Gal Diesel | 10% |
| Defoliate | 16 | 104 | 6.10 Gal Diesel | 10% |
| Disc | 17 | 30 | 7.70 Gal Diesel | 10% |
| Ditch | 16 | 114 | 6.10 Gal Diesel | 10% |
| Drill | 16 | Rent | 6.10 Gal Diesel | 10% |
| Haul | Custom | | | |
| Hoe | 16 | 47 | 6.10 Gal Diesel | 10% |
| Lift | 17 | 107 | 7.70 Gal Diesel | 10% |
| Load & Stack | Custom | | | |
| Plant | 16 | 66 | 6.10 Gal Diesel | 10% |
| Plow | 17 | 22 | 7.70 Gal Diesel | 10% |
| Rod | 16 | 79 | 6.10 Gal Diesel | 10% |
| Roll | 17 | 49 | 7.70 Gal Diesel | 10% |
| Row Crop Cult | 16 | 38 | 6.10 Gal Diesel | 10% |
| Spray | Custom | | | |
| Spray w/Disc | | 77 | | |
| Spread Fert. | 16 | Incl | 6.10 Gal Diesel | 10% |
| Subsoil | 17 | 34 | 7.70 Gal Diesel | 10% |
| Thin | Hire | | | |
| Thin & Weed | Hire | | | |
| Truck | Custom | | | |
| Truck & Pack | Custom | | | |
| Weed | Hire | | | |
| Windrow | Custom | | | |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, Panhandle Gravity Irrigated 1994

| Budget Crop Description | A2 Sugar Beets Gravity Irrig | A3 Dry Beans Gravity Irrig | A4 Corn Grain Gravity Irrig | A5 Corn Silage Gravity Irrig | A6 Estab Alfalfa Gravity Irrig w/Oats | A7 Hay Alfalfa Gravity Irrig |
|---------------------------------|--|--|---|--|--|--|
| Yield | 23.0 Ton | 20.0 Cwt | 140.0 Bu | 20.0 Ton | 2.265 Ton DM | 6.0 Ton |
| Mgt Fee/unit | \$2.00 | \$1.25 | \$0.15 | \$1.00 | \$10.00 | \$3.00 |
| Land Invest. Unimp. Irrig | \$1,000 1,000 | \$1,000 1,000 | \$1,000 1,000 | \$1,000 1,000 | \$1,000 1,000 | \$1,000 1,000 |
| Mach Invest | \$635.19 | \$363.53 | \$289.08 | \$303.89 | \$209.92 | \$4.95 |
| Op Cost/ac | \$470.63 | \$164.14 | \$160.53 | \$186.97 | \$160.89 | \$199.64 |
| Overhead | 23.53 | 8.21 | 8.03 | 9.35 | 8.04 | 9.98 |
| Unpaid Mgt | 46.00 | 25.00 | 21.00 | 20.00 | 15.00 | 18.00 |
| RE Taxes | \$17.00 | \$17.00 | \$17.00 | \$17.00 | \$17.00 | \$17.00 |
| Land Interest | 58.00 | 58.00 | 58.00 | 58.00 | 58.00 | 58.00 |
| Irrig Interest | | | | | | |
| Irrig Deprec | | | | | | |
| Land Subtotal | \$75.00 | \$75.00 | \$75.00 | \$75.00 | \$75.00 | \$75.00 |
| Mach. Interest | \$43.83 | \$25.08 | \$19.95 | \$20.97 | \$14.48 | \$0.34 |
| Mach. Deprec | 70.09 | 42.47 | 34.56 | 36.09 | 25.19 | 0.54 |
| Mach. Subtotal | \$113.92 | \$67.55 | \$54.51 | \$57.06 | \$39.67 | \$0.88 |
| Total Owner Cost | \$188.92 | \$142.55 | \$129.51 | \$132.06 | \$114.67 | \$75.88 |
| Estab Costs | | | | | | \$34.58 |
| Total Cost/ac | \$729.08 | \$339.90 | \$319.06 | \$348.38 | \$298.61 | \$338.08 |
| Total Cost/unit | \$31.70 | \$17.00 | \$2.28 | \$17.42 | \$131.84 | \$56.35 |

Returns Above Operating Costs Budget Worksheet
 Sugar Beets, Gravity Irrigated
 20 Acre-inches 23 Ton Beets

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|--------------------|-------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Apply Nemat | Custom | | | | | | | |
| 2 | Apply Anhy | Custom | | | | | | | |
| 3 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 D | 0.19 | 0.46 | | |
| 4 | Plow | 2.89 Ac/hr | 0.42 | 0.35 | 1.91 D | 1.36 | 1.88 | 5.15 | |
| 5 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.84 D | 0.60 | 0.22 | 1.66 | |
| 6 | Spray in Tandem | 6.55 Ac/hr | | 0.15 | | | 0.13 | 0.13 | |
| 7 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 8 | Hoe | 13.44 Ac/hr | 0.08 | 0.07 | 0.32 D | 0.23 | 0.06 | 0.61 | |
| 9 | Row Crop Cult | 2.5 Ac/hr | 0.48 | 0.40 | 1.74 D | 1.22 | 0.26 | 3.22 | |
| 10 | Row Crop Cult | 2.5 Ac/hr | 0.48 | 0.40 | 1.74 D | 1.22 | 0.26 | 3.22 | |
| 11 | Thin | Hire | | | | | | | |
| 12 | Thin & Weed | Hire | | | | | | | |
| 13 | Weed | Hire | | | | | | | |
| 14 | Ditch | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.46 | 1.86 | |
| 15 | Ditch | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.46 | 1.86 | |
| 16 | All Irrig. | Labor | 4.00 | | | | | | |
| 17 | Spray | Custom | | | | | | | |
| 18 | Defoliate | 5.6 Ac/hr | 0.22 | 0.18 | 0.78 D | 0.55 | 0.92 | 2.25 | |
| 19 | Lift | 2.8 Ac/hr | 0.43 | 0.36 | 1.97 D | 1.40 | 4.15 | 7.52 | |
| 20 | Truck | Custom | | | | | | | |
| 21 | Subsoil | 6.58 Ac/hr | 0.18 | 0.15 | 0.84 D | 0.60 | 0.15 | 1.59 | |
| Subtotal | | | 7.24 Hrs | | 12.94 | 9.15 | 10.71 | \$32.80 | |

Diesel 18.09 Gal @ \$0.65 \$11.76

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Sugar Beets | 7 | 2 lb | 20.00 | 40.00 | \$40.00 |
| Fertilizer | Anhy N | 2 | 100 lb. N | 0.12 | 12.00 | 12.00 |
| | 0-46-0 | 3 | 50 lb. P20 | 0.19 | 9.50 | 9.50 |
| Chemicals | Telane Nemat. | 1 | 12 gal | 9.85 | 118.20 | 118.20 |
| | RoNeet 7E | 6 | 2 pt | 6.44 | 12.88 | 12.88 |
| | Flowable Sulfur | 17 | 7 lb | 0.13 | 0.91 | 0.91 |
| Custom | Nematicide Appl | 1 | 1 ac | 15.50 | 15.50 | 15.50 |
| | Aerial Spray | 17 | 1 ac | 4.00 | 4.00 | 4.00 |
| | Truck | 20 | 23 ton | 2.50 | 57.50 | 57.50 |
| Other | Thinning | 11 | 1 ac | 40.00 | 40.00 | 40.00 |
| | Thinning & Weed | 12 | 1 ac | 25.00 | 25.00 | 43.00 |
| | Weeding | 13 | 1 ac | 18.00 | 18.00 | |
| | Water Tax | 16 | 1 ac | 18.50 | 18.50 | 18.50 |
| Subtotal | | | | | \$371.99 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$404.79 | |
| Interest on Oper. Capital \$404.79 @ 8.3% for 8 Months | | | | | 22.40 | |
| Unpaid Labor 7.24 Hours \$6.00 /hr | | | | | 43.44 | |
| Total Operating Costs | | | | | \$470.63 | |

Projected Returns
 Beets 23 Ton @
 Total Returns
 Net Return above Operating Costs

A3

Returns Above Operating Costs Budget Worksheet
 Dry Edible Beans, Gravity Irrigated
 10 Acre-inches 20 Cwt Beans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|------------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.49 | 1.38 | |
| 2 | Disc | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.49 | 1.38 | |
| 3 | Plow | 2.89 Ac/hr | 0.42 | 0.35 | 1.91 D | 1.36 | 1.88 | 5.15 | |
| 4 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.84 D | 0.60 | 0.22 | 1.66 | |
| 5 | Spray in Tandem | 6.55 Ac/hr | | 0.15 | | | 0.13 | 0.13 | |
| 6 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 7 | Hoe | 13.44 Ac/hr | 0.08 | 0.07 | 0.32 D | 0.23 | 0.06 | 0.61 | |
| 8 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 9 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 10 | Ditch | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.46 | 1.86 | |
| 11 | Weed Hire | | | | | | | | |
| 12 | All Irrig. Labor | | 1.66 | | | | | | |
| 13 | Spray Custom | | | | | | | | |
| 14 | Cut | 5.73 Ac/hr | 0.20 | 0.17 | 0.76 D | 0.53 | 0.09 | 1.38 | |
| 15 | Rod | 6.36 Ac/hr | 0.19 | 0.16 | 0.69 D | 0.48 | 0.07 | 1.24 | |
| 16 | Combine | 4.09 Ac/hr | 0.29 | 0.24 | 1.66 D | 3.78 | 0.79 | 6.23 | |
| 17 | Truck Custom | | | | | | | | |
| 18 | Disc | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.49 | 1.38 | |
| Subtotal | | | 4.28 Hrs | | 11.09 | 10.45 | 7.45 | \$28.99 | |

Diesel 15.35 Gal @ \$0.65 \$9.97

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Edible Beans | 6 | 0.5 cwt | 50.00 | 25.00 | \$25.00 | |
| Fertilizer 10-34-0 w/zn | 6 | 9 gal | 1.25 | 11.25 | 11.25 | |
| Eptam 7E | 5 | 2.5 pt | 3.42 | 8.55 | 8.55 | |
| Chemicals Sonalan | 5 | 2 pt | 4.04 | 8.08 | 8.08 | |
| Asana | 13 | 5.8 oz | 0.94 | 5.45 | 5.45 | |
| Custom Aerial Spray | 13 | 1 ac | 4.00 | 4.00 | 4.00 | |
| Truck | 17 | 20 cwt | 0.17 | 3.40 | 3.40 | |
| Other Weeding | 11 | 1 ac | 18.00 | 18.00 | 18.00 | |
| Water Tax | 12 | 1 ac | 18.50 | 18.50 | 18.50 | |
| Subtotal | | | | | \$102.23 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$131.22 | |
| Interest on Oper. Capital \$131.22 @ 8.3% for 8 Months | | | | | 7.26 | |
| Unpaid Labor 4.28 Hours \$6.00 /hr | | | | | 25.66 | |
| Total Operating Costs | | | | | \$164.14 | |

Projected Returns

Beans 20 Cwt @

Total Returns

Net Return above Operating Costs

A4 Returns Above Operating Costs Budget Worksheet
 Corn for Grain, Gravity Irrigated
 18 Acre-inches 140 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 | D 0.37 | 0.49 | 1.38 | |
| 2 | Apply Anhy | Custom | | | | | | | |
| 3 | Plow | 2.89 Ac/hr | 0.42 | 0.35 | 1.91 | D 1.36 | 1.88 | 5.15 | |
| 4 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.84 | D 0.60 | 0.22 | 1.66 | |
| 5 | Spray in Tandem | 6.55 Ac/hr | | 0.15 | | | 0.13 | 0.13 | |
| 6 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.62 | 1.76 | 3.27 | |
| 7 | Hoe | 13.44 Ac/hr | 0.08 | 0.07 | 0.32 | D 0.23 | 0.06 | 0.61 | |
| 8 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.26 | 1.66 | |
| 9 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.26 | 1.66 | |
| 10 | Ditch | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.46 | 1.86 | |
| 11 | All Irrig. | Labor | 2.50 | | | | | | |
| 12 | Combine | 4.44 Ac/hr | 0.28 | 0.23 | 1.53 | D 3.48 | 1.5 | 6.51 | |
| 13 | Truck | Custom | | | | | | | |
| Subtotal | | | 4.49 Hrs | | 8.47 | 8.40 | 7.02 | \$23.89 | |

Diesel 11.85 Gal @ \$0.65 \$7.70

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 6 | 0.38 bag | 79.23 | 30.11 | \$30.11 | |
| Fertilizer Anhy N | 2 | 130 lb. N | 0.12 | 15.60 | 15.60 | |
| 10-34-0 w/zn | 6 | 9 gal | 1.25 | 11.25 | 11.25 | |
| Chemicals Lasso II 15G | 5 | 5.5 lb | 0.99 | 5.45 | 5.45 | |
| 2,4-D Amine | 10 | 0.25 pt | 1.34 | 0.34 | 0.34 | |
| Banvel | 10 | 0.5 pt | 9.31 | 4.66 | 4.65 | |
| Custom Truck | 13 | 140 bu | 0.12 | 16.80 | 16.80 | |
| Other Water Tax | 11 | 1 ac | 18.50 | 18.50 | 18.50 | |
| Subtotal | | | | | \$102.69 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$126.58 | |
| Interest on Oper. Capital \$126.58 @ 8.3% for 8 Months | | | | | 7.00 | |
| Unpaid Labor 4.49 Hours \$6.00 /hr | | | | | 26.95 | |
| Total Operating Costs | | | | | \$160.53 | |

Projected Returns

Corn 140 Bu @
 Crop Residue 1 AUM @

Total Returns

Net Return above Operating Costs

A5

Returns Above Operating Costs Budget Worksheet
 Corn Silage, Gravity Irrigated
 18 Acre-inches 20 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.49 | 1.38 | |
| 2 | Apply Anhy | Custom | | | | | | | |
| 3 | Plow | 2.89 Ac/hr | 0.42 | 0.35 | 1.91 D | 1.36 | 1.88 | 5.15 | |
| 4 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.84 D | 0.60 | 0.22 | 1.66 | |
| 5 | Spray in Tandem | 6.55 Ac/hr | | 0.15 | | | 0.13 | 0.13 | |
| 6 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 7 | Hoe | 13.44 Ac/hr | 0.08 | 0.07 | 0.32 D | 0.23 | 0.06 | 0.61 | |
| 8 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 9 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 10 | Ditch | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.46 | 1.86 | |
| 11 | All Irrig. | Labor | 2.50 | | | | | | |
| 12 | Chop | 2.07 Ac/hr | 0.58 | 0.48 | 2.66 D | 1.90 | 2.09 | 6.65 | |
| 13 | Truck & Pack | Custom | | | | | | | |
| Subtotal | | | 4.79 Hrs | | 9.60 | 6.82 | 7.61 | \$24.03 | |

Diesel 13.36 Gal @ \$0.65 \$8.69

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 6 | 0.38 bag | 79.23 | 30.11 | \$30.11 | |
| Fertilizer Anhy N | 2 | 130 lb. N | 0.12 | 15.60 | 15.60 | |
| | 6 | 9 gal | 1.25 | 11.25 | 11.25 | |
| Chemicals Lasso II 15G | 5 | 5.5 lb | 0.99 | 5.45 | 5.45 | |
| | 3 | 0.25 pt | 1.34 | 0.34 | 0.34 | |
| | 3 | 0.5 pt | 9.31 | 4.66 | 4.66 | |
| Custom Truck | 13 | 20 ton | 2.00 | 40.00 | 40.00 | |
| Other Water Tax | 11 | 1 ac | 18.50 | 18.50 | 18.50 | |
| Subtotal | | | | | \$125.89 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$149.92 | |
| Interest on Oper. Capital \$149.92 @ 8.3% for 8 Months | | | | | 8.30 | |
| Unpaid Labor 4.79 Hours \$6.00 /hr | | | | | 28.75 | |
| Total Operating Costs | | | | | \$186.97 | |

Projected Returns

Silage 20 Ton @

Total Returns

Net Return above Operating Costs

Returns Above Operating Costs Budget Worksheet
 Establish alfalfa with oats, Gravity Irrigated
 25 Acre-inches 1.5 Ton Oat haylage 2 Ton Hay
 Cost per Acre

| Operation # | Description | Operation Rate | Hrs per Acre | | Fuel & Repairs | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|----------------|-------|------|-----------|---------------|
| | | | Labor | Mach | Lube | Power | Impl | | |
| 1 | Plow | 2.89 Ac/hr | 0.42 | 0.35 | 1.91 D | 1.36 | 1.88 | 5.15 | _____ |
| 2 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 D | 0.19 | | 0.46 | _____ |
| 3 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.84 D | 0.60 | 0.22 | 1.66 | _____ |
| 4 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.84 D | 0.60 | 0.22 | 1.66 | _____ |
| 5 | Drill | 4.7 Ac/hr | 0.25 | 0.21 | 0.93 D | 0.65 | | 1.58 | _____ |
| 6 | Windrow | Custom | | | | | | | _____ |
| 7 | Chop | 3.87 Ac/hr | 0.31 | 0.26 | 1.42 D | 1.02 | 2.09 | 4.53 | _____ |
| 8 | Haul | Custom | | | | | | | _____ |
| 9 | Windrow | Custom | | | | | | | _____ |
| 10 | Bale | Custom | | | | | | | _____ |
| 11 | Load & Stack | Custom | | | | | | | _____ |
| 12 | All Irrig. | Labor | 2.50 | | | | | | _____ |
| Subtotal | | | 3.92 Hrs | | 6.21 | 4.42 | 4.41 | \$15.04 | _____ |

Diesel 8.65 Gal @ \$0.65 \$5.63

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|------------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 5 12 lb | 3.44 | 41.28 | \$41.28 | _____ |
| | Oats | 5 0.5 bu | 5.00 | 2.50 | 2.50 | _____ |
| Fertilizer | 0-46-0 | 2 50 lb.P20 | 0.19 | 9.50 | 9.50 | _____ |
| Custom | Windrower | 6 1 ac | 7.50 | 7.50 | 7.50 | _____ |
| | Truck Silage | 8 1 ton | 2.00 | 2.00 | 2.00 | _____ |
| | Windrower | 9 1 ac | 7.50 | 7.50 | 7.50 | _____ |
| | Bale 65 lb | 10 62 bale | 0.35 | 21.70 | 21.70 | _____ |
| | Load & Stack | 11 2 stack | 9.71 | 19.42 | 19.42 | _____ |
| Rental | Grain Drill | 5 1 ac | 3.75 | 3.75 | 3.75 | _____ |
| Subtotal | | | | | \$115.15 | _____ |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$130.19 | _____ |
| Interest on Oper. Capital \$130.19 @ 8.3% for 8 Months | | | | | 7.20 | _____ |
| Unpaid Labor 3.92 Hours \$6.00 /hr | | | | | 23.50 | _____ |
| Total Operating Costs | | | | | \$160.89 | _____ |

Projected Returns
 Oat haylage 1.5 Ton @ _____
 Hay 2 Ton Hay @ _____
 Total Returns _____
 Net Return above Operating Costs _____

A7 Returns Above Operating Costs Budget Worksheet
 Alfalfa hay, Gravity Irrigated
 25 Acre-inches 6 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|--------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 | D 0.19 | 0.46 | | |
| 2 | Windrow | Custom | | | | | | | |
| 3 | Bale | Custom | | | | | | | |
| 4 | Load & Stack | Custom | | | | | | | |
| 5 | Windrow | Custom | | | | | | | |
| 6 | Bale | Custom | | | | | | | |
| 7 | Load & Stack | Custom | | | | | | | |
| 8 | Windrow | Custom | | | | | | | |
| 9 | Bale | Custom | | | | | | | |
| 10 | Load & Stack | Custom | | | | | | | |
| 11 | All Irrig. | Labor | 2.50 | | | | | | |
| Subtotal | | | 2.57 Hrs | | 0.27 | 0.19 | \$0.46 | | |

Diesel 0.37 Gal @ \$0.65 \$0.24

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 0-46-0 | 1 | 60 lb.P20 | 0.19 | 11.40 | \$11.40 | |
| Custom Windrower | 2 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Baleing | 3 | 76 bale | 0.35 | 26.60 | 26.60 | |
| Load & Stack | 4 | 2.5 stack | 9.71 | 24.28 | 24.27 | |
| Windrower | 5 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Baleing | 6 | 62 bale | 0.35 | 21.70 | 21.70 | |
| Load & Stack | 7 | 2 stack | 9.71 | 19.42 | 19.42 | |
| Windrower | 8 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Baleing | 9 | 46 bale | 0.35 | 16.10 | 16.10 | |
| Load & Stack | 10 | 1.4 stack | 9.71 | 13.59 | 13.59 | |
| Other Water Tax | 11 | 1 ac | 18.50 | 18.50 | 18.50 | |
| Subtotal | | | | | \$174.09 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$174.55 | |
| Interest on Oper. Capital \$174.55 @ 8.3% for 8 Months | | | | | 9.66 | |
| Unpaid Labor 2.57 Hours \$6.00 /hr | | | | | 15.43 | |
| Total Operating Costs | | | | | \$199.64 | |

Projected Returns

Hay 6 Ton @
 Total Returns
 Net Return above Operating Costs

DESCRIPTION OF THE PIVOT IRRIGATED BUDGETS, NEBRASKA PANHANDLE

These budgets are intended to be representative of farms in the panhandle using center pivot irrigation.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost worksheets.

| P2 1994 Machinery List -- Panhandle Pivot Irrigated | | | | | | |
|---|---------------------------------------|--------|------------|----------------|----------|----------|
| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 1 | Elec Pivot 206' head | 68,500 | 900 hr | 20 | 0 | 1.18/hr |
| 16 | Tractor 120 hp diesel cab | 61,289 | 300 hr | 20 | 7,864 | 3.68/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 600 hr | 10 | 19,370 | 3.93/hr |
| 20 | Tractor 220 hp diesel cab FWA | 95,432 | 600 hr | 10 | 28,189 | 5.73/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| Implements | | | | | | |
| 23 | Plow 8x18" | 14,811 | 800 ac | 12 | 2,051 | 2.00/ac |
| 31 | Tandem Disc 28' | 21,979 | 1,500 ac | 15 | 2,111 | .61/ac |
| 34 | Subsoiler 13.5' | 5,139 | 200 ac | 20 | 268 | .20/ac |
| 37 | Field Cultivator 30' | 12,949 | 400 ac | 12 | 1,793 | .14/ac |
| 41 | Row Crop Cultivator 8 row x 30" | 5,847 | 1,800 ac | 7 | 1,492 | .40/ac |
| 48 | Rotary Hoe 20' | 5,461 | 600 ac | 15 | 525 | .08/ac |
| 50 | Roller/Packer 21' | 22,000 | 1,000 ac | 15 | 2,112 | .41/ac |
| 60 | Grain Drill 24' hoe 3x8 10" spacing | 22,250 | 400 ac | 20 | 1,160 | 1.44/ac |
| 69 | Planter 8 row x 30" | 20,155 | 500 ac | 10 | 3,564 | 1.24/ac |
| 77 | Sprayer 2-200 gallon 15' saddle tanks | 2,600 | 1,100 ac | 10 | 429 | .15/ac |
| 80 | Bean Rod 20' | 3,585 | 400 ac | 15 | 367 | .07/ac |
| 81 | Bean Cutter 6 row x 30" | 4,066 | 400 ac | 15 | 417 | .18/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 89 | 15' grain head | 17,251 | 760 ac | 10 | 3,255 | .78/ac |
| 92 | 15' pickup head | 17,378 | 760 ac | 10 | 3,278 | .79/ac |
| 95 | Swather/Conditioner 14' pull-type | 21,042 | 800 ac | 10 | 3,969 | 1.17/ac |
| 100 | Small Square Baler wire tie | 11,437 | 1,600 ton | 6 | 3,077 | .85/ton |
| 104 | Defoliator 4 row x 30" | 17,500 | 300 ac | 15 | 1,792 | 1.33/ac |
| 107 | Beet Lifter 4 row x 30" | 60,000 | 300 ac | 15 | 5,760 | 5.62/ac |

1994 Operations List* Panhandle Pivot Irrigated

| P2 Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|------------------|-----------|
| All Irrig. | 1 | | 56.00 Kwh Elec | 1.3% |
| Apply Anhy | 17 | Rent | 7.70 Gal Diesel | 10% |
| Bale | 17 | 100 | 7.70 Gal Diesel | 10% |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 89 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 92 | 9.50 Gal Diesel | 10% |
| Cut | 16 | 81 | 6.10 Gal Diesel | 10% |
| Defoliate | 16 | 104 | 6.10 Gal Diesel | 10% |
| Disc | 20 | 31 | 11.30 Gal Diesel | 10% |
| Drill | 16 | 60 | 6.10 Gal Diesel | 10% |
| Field cult | 17 | 37 | 7.70 Gal Diesel | 10% |
| Haul & Stack | Custom | | | |
| Hoe | 16 | 48 | 6.10 Gal Diesel | 10% |
| Lift | 17 | 107 | 7.70 Gal Diesel | 10% |
| Plant | 16 | 69 | 6.10 Gal Diesel | 10% |
| Plow | 20 | 23 | 11.30 Gal Diesel | 10% |
| Rod | 17 | 80 | 7.70 Gal Diesel | 10% |
| Roll | 17 | 50 | 7.70 Gal Diesel | 10% |
| Row Crop Cult | 17 | 41 | 7.70 Gal Diesel | 10% |
| Spray | Custom | | | |
| Spray in Tandem | | 77 | | |
| Spread Fert. | 16 | | 6.10 Gal Diesel | 10% |
| Subsoil | 20 | 34 | 11.30 Gal Diesel | 10% |
| Thin | Hire | | | |
| Thin & weed | Hire | | | |
| Truck | Custom | | | |
| Weed | Hire | Rent | | |
| Windrow | 17 | 95 | 7.70 Gal Diesel | 10% |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

**Budgeted Production Costs Summary
Panhandle Pivot Irrigated 1994**

| Budget Crop Description | A9 Sugar Beets Pivot Irrig | A10 Dry Beans Pivot Irrig | A11 Corn Grain Pivot Irrig | A12 Wheat Pivot Irrig | A13 Hay Alfalfa Pivot Irrig |
|-------------------------------|--|---------------------------------------|--|--------------------------------|---|
| Yield | 20.0 Ton | 19.0 Cwt | 130.0 Bu | 65.0 Bu | 6.0 Ton |
| Mgt Fee/unit | \$2.00 | \$1.25 | \$0.15 | \$0.15 | \$3.00 |
| Land Invest. | \$700 | \$700 | \$700 | \$700 | \$700 |
| Unimp. | 423 | 423 | 423 | 423 | 423 |
| Irrig | 277 | 277 | 277 | 277 | 277 |
| Mach Invest | \$415.48 | \$305.48 | \$228.39 | \$226.38 | \$187.61 |
| Op Cost/ac | \$342.82 | \$163.97 | \$184.23 | \$109.08 | \$228.73 |
| Overhead | 17.14 | 8.20 | 9.21 | 5.45 | 11.44 |
| Unpaid Mgt | 40.00 | 23.75 | 19.50 | 9.75 | 18.00 |
| RE Taxes | \$8.00 | \$8.00 | \$8.00 | \$8.00 | \$8.00 |
| Land Interest | 24.53 | 24.53 | 24.53 | 24.53 | 24.53 |
| Irrig Interest | 19.11 | 19.11 | 19.11 | 19.11 | 19.11 |
| Irrig Deprec | 28.00 | 28.00 | 28.00 | 28.00 | 28.00 |
| Land Subtotal | \$79.65 | \$79.65 | \$79.65 | \$79.65 | \$79.65 |
| Mach. Interest | \$28.67 | \$21.08 | \$15.76 | \$15.62 | \$12.95 |
| Mach. Deprec | 44.82 | 35.22 | 27.21 | 26.08 | 23.76 |
| Mach. Subtotal | \$73.49 | \$56.30 | \$42.97 | \$41.70 | \$36.71 |
| Total Owner Cost | \$153.14 | \$135.95 | \$122.62 | \$121.35 | \$116.35 |
| Estab Costs | | | | | \$34.58 |
| Total Cost/ac | \$553.10 | \$331.86 | \$335.56 | \$245.63 | \$409.10 |
| Total Cost/unit | \$27.65 | \$17.47 | \$2.58 | \$3.78 | \$68.18 |

A9

Returns Above Operating Costs Budget Worksheet
 Sugar Beets, Pivot Irrigated, Elec, 206' head
 20 Acre-inches 20 Ton Beets

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|-------|---------------|---------------|-------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.67 D | 0.47 | 0.61 | 1.75 | |
| 2 | Apply Anhy | Custom | | | | | | | |
| 3 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 D | 0.23 | | 0.50 | |
| 4 | Plow | 3.47 Ac/hr | 0.35 | 0.29 | 2.33 D | 1.65 | 2 | 5.98 | |
| 5 | Roll | 9.16 Ac/hr | 0.13 | 0.11 | 0.60 D | 0.43 | 0.41 | 1.44 | |
| 6 | Roll | 9.16 Ac/hr | 0.13 | 0.11 | 0.60 D | 0.43 | 0.41 | 1.44 | |
| 7 | Spray in Tandem | 9.16 Ac/hr | | 0.11 | | | 0.15 | 0.15 | |
| 8 | Plant | 6.53 Ac/hr | 0.18 | 0.15 | 0.67 D | 0.56 | 1.24 | 2.47 | |
| 9 | Hoe | 17.92 Ac/hr | 0.07 | 0.06 | 0.24 D | 0.21 | 0.08 | 0.53 | |
| 10 | Row Crop Cult | 5.8 Ac/hr | 0.20 | 0.17 | 0.95 D | 0.68 | 0.4 | 2.03 | |
| 11 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.78 D | 0.56 | 0.4 | 1.74 | |
| 12 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.78 D | 0.56 | 0.4 | 1.74 | |
| 13 | Thin | Hire | | | | | | | |
| 14 | Thin & Weed | Hire | | | | | | | |
| 15 | Weed | Hire | | | | | | | |
| 16 | All Irrig. | 800 GPM | 0.67 | 11.22 | 47.60 E | 13.24 | | 60.84 | |
| 17 | Defoliate | 5.6 Ac/hr | 0.22 | 0.18 | 0.78 D | 0.66 | 1.33 | 2.77 | |
| 18 | Lift | 2.8 Ac/hr | 0.43 | 0.36 | 1.97 D | 1.40 | 5.62 | 8.99 | |
| 19 | Truck | Custom | | | | | | | |
| 20 | Subsoil | 8.48 Ac/hr | 0.14 | 0.12 | 0.95 D | 0.68 | 0.2 | 1.83 | |
| Subtotal | | | 3.04 Hrs | | 59.19 | 21.76 | 13.25 | \$94.20 | |

Diesel 16.21 Gal @ \$0.65 \$10.54
 Electricity 628.32 KWH @ \$0.075 \$47.12

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sugar Beets | 8 | 2 lb | 20.00 | 40.00 | \$40.00 | |
| Fertilizer Anhy N | 2 | 100 lb. N | 0.12 | 12.00 | 12.00 | |
| Q-46-0 | 3 | 50 lb.P20 | 0.19 | 9.50 | 9.50 | |
| Chemicals RoNeet 6E | 7 | 2 pt | 6.44 | 12.88 | 12.88 | |
| Custom Anhy Applic | 2 | 1 ac | 5.00 | 5.00 | 5.00 | |
| Truck | 19 | 20 ton | 2.50 | 50.00 | 50.00 | |
| Rental Spread Fert. | 3 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Other Thinning | 13 | 1 ac | 40.00 | 40.00 | 40.00 | |
| Thinning & Weed | 14 | 1 ac | 25.00 | 25.00 | 25.00 | |
| Weeding | 15 | 1 ac | 18.00 | 18.00 | 18.00 | |
| Subtotal | | | | | \$213.38 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$307.58 | |
| Interest on Oper. Capital \$307.58 @ 8.3% for 8 Months | | | | | 17.02 | |
| Unpaid Labor 3.04 Hours \$6.00 /hr | | | | | 18.22 | |
| Total Operating Costs | | | | | \$342.82 | |

Projected Returns
 Beets 20 Ton @
 Total Returns
 Net Return above Operating Costs

Returns Above Operating Costs Budget Worksheet
 Dry Edible Beans, Pivot Irrigated, Elec., 206' Head
 10 Acre-inches 19 Cwt Beans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.67 D | 0.47 | 0.61 | 1.75 | |
| 2 | Plow | 3.47 Ac/hr | 0.35 | 0.29 | 2.33 D | 1.65 | 2 | 5.98 | |
| 3 | Roll | 9.16 Ac/hr | 0.13 | 0.11 | 0.60 D | 0.43 | 0.41 | 1.44 | |
| 4 | Roll | 9.16 Ac/hr | 0.13 | 0.11 | 0.60 D | 0.43 | 0.41 | 1.44 | |
| 5 | Spray in Tandem | 9.16 Ac/hr | | 0.11 | | | 0.15 | 0.15 | |
| 6 | Plant | 6.53 Ac/hr | 0.18 | 0.15 | 0.67 D | 0.56 | 1.24 | 2.47 | |
| 7 | Hoe | 17.92 Ac/hr | 0.07 | 0.06 | 0.24 D | 0.21 | 0.08 | 0.53 | |
| 8 | Row Crop Cult | 5.8 Ac/hr | 0.20 | 0.17 | 0.95 D | 0.68 | 0.4 | 2.03 | |
| 9 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.78 D | 0.56 | 0.4 | 1.74 | |
| 10 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.78 D | 0.56 | 0.4 | 1.74 | |
| 11 | Weed | Hire | | | | | | | |
| 12 | All Irrig. | 800 GPM | 0.34 | 5.61 | 23.80 E | 6.62 | | 30.42 | |
| 13 | Spray | Custom | | | | | | | |
| 14 | Cut | 7.64 Ac/hr | 0.16 | 0.13 | 0.57 D | 0.48 | 0.18 | 1.23 | |
| 15 | Rod | 8.48 Ac/hr | 0.14 | 0.12 | 0.65 D | 0.46 | 0.07 | 1.18 | |
| 16 | Combine | 5.09 Ac/hr | 0.24 | 0.20 | 1.33 D | 3.03 | 0.79 | 5.15 | |
| 17 | Truck | Custom | | | | | | | |
| 18 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.67 D | 0.47 | 0.61 | 1.75 | |
| Subtotal | | | 2.47 Hrs | | 34.64 | 16.61 | 7.75 | \$59.00 | |

Diesel 15.14 Gal @ \$0.65 \$9.84
 Electricity 314.16 KWH @ \$0.075 \$23.56

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Edible Beans | 6 | 0.5 cwt | 50.00 | 25.00 | \$25.00 |
| Fertilizer | 10-34-0 w/zn | 6 | 8 gal | 1.25 | 10.00 | 10.00 |
| Chemicals | Eptam 7E | 5 | 2.5 pt | 3.42 | 8.55 | 8.55 |
| | Sonalan | 5 | 2 pt | 4.04 | 8.08 | 8.08 |
| | Asana | 13 | 5.8 oz | 0.94 | 5.45 | 5.45 |
| Custom | Aerial Spray | 13 | 1 ac | 4.00 | 4.00 | 4.00 |
| | Truck | 17 | 19 cwt | 0.17 | 3.23 | 3.23 |
| Other | Weeding | 11 | 1 ac | 18.00 | 18.00 | 18.00 |
| Subtotal | | | | | \$82.31 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$141.31 | |
| Interest on Oper. Capital \$141.31 @ 8.3% for 8 Months | | | | | 7.82 | |
| Unpaid Labor 2.47 Hours \$6.00 /hr | | | | | 14.84 | |
| Total Operating Costs | | | | | \$163.97 | |

Projected Returns
 Beans 19 Cwt @
 Total Returns
 Net Return above Operating Costs

Returns Above Operating Costs Budget Worksheet
 Corn for Grain, Pivot Irrigated, Elec, 206' Head
 18 Acre-inches 130 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|-------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.67 | D 0.47 | 0.61 | 1.75 | |
| 2 | Apply Anhy | Custom | | | | | | | |
| 3 | Plow | 3.47 Ac/hr | 0.35 | 0.29 | 2.33 | D 1.65 | 2 | 5.98 | |
| 4 | Roll | 9.16 Ac/hr | 0.13 | 0.11 | 0.60 | D 0.43 | 0.41 | 1.44 | |
| 5 | Spray in Tandem | 9.16 Ac/hr | | 0.11 | | | 0.15 | 0.15 | |
| 6 | Plant | 6.53 Ac/hr | 0.18 | 0.15 | 0.67 | D 0.56 | 1.24 | 2.47 | |
| 7 | Hoe | 17.92 Ac/hr | 0.07 | 0.06 | 0.24 | D 0.21 | 0.08 | 0.53 | |
| 8 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.78 | D 0.56 | 0.4 | 1.74 | |
| 9 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.78 | D 0.56 | 0.4 | 1.74 | |
| 10 | All Irrig. | 800 GPM | 0.61 | 10.10 | 42.84 | E 11.92 | | 54.76 | |
| 11 | Combine | 6.5 Ac/hr | 0.18 | 0.15 | 1.05 | D 2.38 | 1.5 | 4.93 | |
| 12 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.95 Hrs | | 49.96 | 18.74 | 6.79 | \$75.49 | |

Diesel 9.89 Gal @ \$0.65 \$6.43
 Electricity 565.60 KWH @ \$0.075 \$42.42

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 6 | 0.38 bag | 79.23 | 30.11 | \$30.11 | |
| Fertilizer Anhy N | 2 | 130 lb. N | 0.12 | 15.60 | 15.60 | |
| | 6 | 9 gal | 1.25 | 11.25 | 11.25 | |
| Chemicals Lasso II 15G | 5 | 5.5 lb | 0.99 | 5.45 | 5.45 | |
| | 9 | 0.25 pt | 1.34 | 0.34 | 0.34 | |
| | 9 | 0.5 pt | 9.31 | 4.66 | 4.65 | |
| Custom Anhy Applic | 2 | 1 ac | 5.00 | 5.00 | 5.00 | |
| | 12 | 130 bu | 0.12 | 15.60 | 15.60 | |
| Subtotal | | | | | \$87.99 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$163.48 | |
| Interest on Oper. Capital \$163.48 @ 8.3% for 8 Months | | | | | 9.05 | |
| Unpaid Labor 1.95 Hours \$6.00 /hr | | | | | 11.70 | |
| Total Operating Costs | | | | | \$184.23 | |

Projected Returns
 Corn 130 Bu @
 Total Returns
 Net Return above Operating Costs

Returns Above Operating Costs Budget Worksheet
 Winter Wheat, Pivot Irrigated, Elec, 206' Head
 10 Acre-inches 65 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.67 D | 0.47 | 0.61 | 1.75 | |
| 2 | Plow | 3.47 Ac/hr | 0.35 | 0.29 | 2.33 D | 1.65 | 2 | 5.98 | |
| 3 | Apply Anhy | Custom | | | | | | | |
| 4 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 D | 0.23 | | 0.50 | |
| 5 | Field cult | 13.53 Ac/hr | 0.08 | 0.07 | 0.41 D | 0.29 | 0.14 | 0.84 | |
| 6 | Field cult | 13.53 Ac/hr | 0.08 | 0.07 | 0.41 D | 0.29 | 0.14 | 0.84 | |
| 7 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.52 D | 0.44 | 1.44 | 2.40 | |
| 8 | All Irrig. | 800 GPM | 0.34 | 5.61 | 23.80 E | 6.62 | | 30.42 | |
| 9 | Combine | 5.09 Ac/hr | 0.24 | 0.20 | 1.33 D | 3.03 | 0.78 | 5.14 | |
| 10 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.40 Hrs | | 29.74 | 13.02 | 5.11 | \$47.87 | |

Diesel 8.26 Gal @ \$0.65 \$5.37
 Electricity 314.16 KWH @ \$0.075 \$23.56

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|--|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 7 | 90 lb | 0.17 | 15.30 | \$15.30 |
| Fertilizer | Anhy N | 3 | 90 lb. N | 0.12 | 10.80 | 10.80 |
| | 0-46-0 | 4 | 40 lb.P20 | 0.19 | 7.60 | 7.60 |
| Custom | Anhy Applic | 3 | 1 ac | 5.00 | 5.00 | 5.00 |
| | Truck | 10 | 65 bu | 0.12 | 7.80 | 7.80 |
| Rental | Spread Fert. | 4 | 1 ac | 1.00 | 1.00 | 1.00 |
| Subtotal | | | | | \$47.50 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$95.37 | |
| Interest on Oper. Capital \$95.37 @ 8.3% for 8 Months | | | | | 5.28 | |
| Unpaid Labor 1.40 Hours \$6.00 /hr | | | | | 8.43 | |
| Total Operating Costs | | | | | \$109.08 | |

Projected Returns
 Wheat 65 Bu @
 Total Returns
 Net Return above Operating Costs

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Pivot Irrigated, Elec, 206' Head
 25 Acre-inches 6 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|-------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 D | 0.23 | | 0.50 | |
| 2 | Windrow | 3.81 Ac/hr | 0.31 | 0.26 | 1.45 D | 1.03 | 1.17 | 3.65 | |
| 3 | Bale | 8.4 Ton/hr | 0.29 | 0.24 | 1.30 D | 0.93 | 1.71 | 3.94 | |
| 4 | Haul & Stack | Custom | | | | | | | |
| 5 | Windrow | 3.81 Ac/hr | 0.31 | 0.26 | 1.45 D | 1.03 | 1.17 | 3.65 | |
| 6 | Bale | 8.4 Ton/hr | 0.29 | 0.24 | 1.30 D | 0.93 | 1.71 | 3.94 | |
| 7 | Haul & Stack | Custom | | | | | | | |
| 8 | Windrow | 3.81 Ac/hr | 0.31 | 0.26 | 1.45 D | 1.03 | 1.17 | 3.65 | |
| 9 | Bale | 8.4 Ton/hr | 0.29 | 0.24 | 1.34 D | 0.95 | 1.71 | 4.00 | |
| 10 | Haul & Stack | Custom | | | | | | | |
| 11 | All Irrig. | 800 GPM | 0.84 | 14.03 | 59.49 E | 16.55 | | 76.04 | |
| Subtotal | | | 2.71 Hrs | | 68.05 | 22.68 | 8.64 | \$99.37 | |

Diesel 11.92 Gal @ \$0.65 \$7.75
 Electricity 785.68 KWH @ \$0.075 \$58.93

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 0-46-0 | 1 | 60 lb.P20 | 0.19 | 11.40 | \$11.40 | |
| Custom Load & Stack | 4 | 2.5 stack | 9.71 | 24.28 | 24.28 | |
| Load & Stack | 7 | 2 stack | 9.71 | 19.42 | 19.42 | |
| Load & Stack | 10 | 1.5 stack | 9.71 | 14.57 | 14.57 | |
| Rental Spread Fert. | 1 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Other bale(Wire) | 3 | 76 bale | 0.17 | 12.92 | 12.92 | |
| bale(Wire) | 6 | 62 bale | 0.17 | 10.54 | 10.54 | |
| bale(Wire) | 9 | 46 bale | 0.17 | 7.82 | 7.82 | |
| Subtotal | | | | | \$101.94 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$201.31 | |
| Interest on Oper. Capital \$201.31 @ 8.3% for 8 Months | | | | | 11.14 | |
| Unpaid Labor 2.71 Hours \$6.00 /hr | | | | | 16.28 | |
| Total Operating Costs | | | | | \$228.73 | |

Projected Returns
 Hay

6 Ton @

Total Returns
 Net Return above Operating Costs

DESCRIPTION OF THE NON-IRRIGATED BUDGETS, NEBRASKA PANHANDLE

These budgets are intended to be representative of summer fallow winter wheat farms in the panhandle.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost budget worksheets.

NOTE: Actual equipment requirements vary depending on the fallow tillage used. A budget for millet has been included in this section.

P3 1994 Machinery List -- Panhandle Dryland Crops

| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
|--------------------|---------------------------------------|--------|------------|----------------|----------|-----------|
| Power Units | | | | | | |
| 16 | Tractor 120 hp diesel cab | 61,289 | 200 hr | 10 | 18,103 | 1.23/hr |
| 19 | Tractor 190 hp diesel cab FWA | 95,858 | 800 hr | 10 | 28,315 | 7.67/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| Implements | | | | | | |
| 25 | Chisel 24' | 11,894 | 1,600 ac | 12 | 1,648 | .40/ac |
| 27 | Blade Plow 25' (5x5) | 15,000 | 800 ac | 15 | 1,440 | .24/ac |
| 31 | Tandem Disc 28' | 21,979 | 2,200 ac | 10 | 3,886 | .60/ac |
| 37 | Field Cultivator 30' | 12,949 | 2,200 ac | 10 | 2,290 | .26/ac |
| 41 | Row Crop Cultivator 8 row x 30" | 5,847 | 150 ac | 20 | 305 | .08/ac |
| 46 | Rodweeder 30' | 8,600 | 1,600 ac | 15 | 826 | .17/ac |
| 60 | Grain Drill 24' hoe 3x8 10" spacing | 22,250 | 600 ac | 10 | 3,935 | 1.05/ac |
| 69 | Planter 8 row x 30" | 20,155 | 500 ac | 10 | 3,564 | 1.24/ac |
| 73 | Anhydrous Applicator 21' | 8,141 | 500 ac | 10 | 1,439 | .22/ac |
| 77 | Sprayer 2-200 gallon 15' saddle tanks | 2,600 | 2,200 ac | 5 | 791 | .15/ac |
| 89 | 15' grain head | 17,251 | 600 ac | 12 | 2,549 | .74/ac |
| 92 | 15' pickup head | 17,378 | 760 ac | 10 | 3,278 | .79/ac |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 40 bu000 | 20 | 178 | .07/bu000 |

1994 Operations List* Panhandle Dryland Crops

| P3 Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-------------------|---------------|-------------|------------------|-----------|
| Apply Anhy | 19 | 73 | 9.70 Gal Diesel | 10% |
| Apply Anhy | 19 | Rent | 9.70 Gal Diesel | 10% |
| Auger | 16 | 111 | 6.10 Gal Diesel | 10% |
| Chisel | 19 | 25 | 9.70 Gal Diesel | 10% |
| Combine | 84 | 89 | 11.00 Gal Diesel | 10% |
| Combine | 84 | 92 | 11.00 Gal Diesel | 10% |
| Disc | 19 | 31 | 9.70 Gal Diesel | 10% |
| Drill | 16 | 60 | 6.10 Gal Diesel | 10% |
| Field Cult | 19 | 37 | 9.70 Gal Diesel | 10% |
| Noble | 19 | 27 | 9.70 Gal Diesel | 10% |
| Plant | 16 | 69 | 6.10 Gal Diesel | 10% |
| Rod Weed | 19 | 46 | 9.70 Gal Diesel | 10% |
| Row Crop Cult | 16 | 41 | 6.10 Gal Diesel | 10% |
| Spray | Custom | | | |
| Sprayer in tandem | | 77 | | |
| Spread Fert. | 16 | Rent | 6.10 Gal Diesel | 10% |
| Truck | Custom | | | |
| Windrow | Custom | | | |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary
Panhandle Dryland Crops 1994

| Budget | A15 | A16 | A17 | A18 |
|------------------|----------------------------|------------------------------|-----------|------------------------------------|
| Crop | Wheat | Wheat | Sunflower | Millet |
| Description | Stubble Mulch Fallow | Chemical Tillage Combo | ff wheat | rotated with wheat fallow |
| Yield | 35.0 Bu | 35.0 Bu | 10.0 Cwt | 20.0 Cwt |
| Mgt Fee/unit | \$0.20 | \$0.20 | \$0.25 | \$0.25 |
| Land Invest. | \$350 | \$350 | \$350 | \$350 |
| Unimp. | 350 | 350 | 350 | 350 |
| Irrig | | | | |
| Mach Invest | \$210.14 | \$169.71 | \$242.13 | \$220.32 |
| Op Cost/ac | \$43.91 | \$47.29 | \$53.50 | \$43.38 |
| Overhead | 2.20 | 2.36 | 2.68 | 2.17 |
| Unpaid Mgt | 7.00 | 7.00 | 2.50 | 5.00 |
| RE Taxes | \$14.40 | \$14.40 | \$10.80 | \$14.40 |
| Land Interest | 40.60 | 40.60 | 30.45 | 40.60 |
| Irrig Interest | | | | |
| Irrig Deprec | | | | |
| Land Subtotal | \$55.00 | \$55.00 | \$41.25 | \$55.00 |
| Mach. Interest | \$14.50 | \$11.71 | \$16.71 | \$15.20 |
| Mach. Deprec | 25.42 | 21.28 | 29.15 | 26.98 |
| Mach. Subtotal | \$39.92 | \$32.99 | \$45.86 | \$42.18 |
| Total Owner Cost | \$94.92 | \$87.99 | \$87.11 | \$97.18 |
| Estab Costs. | | | | |
| Total Cost/ac | \$148.03 | \$144.64 | \$145.78 | \$147.73 |
| Total Cost/unit | \$4.23 | \$4.13 | \$14.58 | \$7.39 |

A15

Returns Above Operating Costs Budget Worksheet
 Winter Wheat of wheat/fallow rotation, stubble mulch
 35 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 2 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 3 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 4 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 5 | Apply Anhy | Custom | | | | | | | |
| 6 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 D | 0.08 | | 0.35 | |
| 7 | Rod Weed | 17.45 Ac/hr | 0.07 | 0.06 | 0.40 D | 0.44 | 0.17 | 1.01 | |
| 8 | Rod Weed | 17.45 Ac/hr | 0.07 | 0.06 | 0.40 D | 0.44 | 0.17 | 1.01 | |
| 9 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.52 D | 0.15 | 1.05 | 1.72 | |
| 10 | Combine | 5.09 Ac/hr | 0.24 | 0.20 | 1.55 D | 3.03 | 0.79 | 5.37 | |
| 11 | Truck | Custom | | | | | | | |
| 12 | Auger | 2500 Bu/hr | 0.01 | 0.01 | 0.06 D | 0.02 | | 0.08 | |
| Subtotal | | | 0.90 Hrs | | 4.92 | 6.08 | 3.14 | \$14.14 | |

Diesel 6.85 Gal @ \$0.65 \$4.45

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Wheat | 9 | 45 lb | 0.17 | 7.65 | \$7.65 | |
| Fertilizer Anhy N | 5 | 40 lb. N | 0.12 | 4.80 | 4.80 | |
| 0-46-0 | 6 | 30 lb. P20 | 0.19 | 5.70 | 5.70 | |
| Custom Truck | 11 | 35 bu | 0.12 | 4.20 | 4.20 | |
| Subtotal | | | | | \$22.35 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$36.49 | |
| Interest on Oper. Capital \$36.49 @ 8.3% for 8 Months | | | | | 2.02 | |
| Unpaid Labor 0.90 Hours \$6.00 /hr | | | | | 5.40 | |
| Total Operating Costs | | | | | \$43.91 | |
| Projected Returns | | | | | | |
| Wheat | | | 35 Bu | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

Returns Above Operating Costs Budget Worksheet
 Winter Wheat of wheat/fallow rot., chemical & tillage
 35 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spray | Custom | | | | | | | |
| 2 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 3 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 4 | Apply Anhy | Custom | | | | | | | |
| 5 | Rod Weed | 17.45 Ac/hr | 0.07 | 0.06 | 0.40 D | 0.44 | 0.17 | 1.01 | |
| 6 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.52 D | 0.15 | 1.05 | 1.72 | |
| 7 | Combine | 5.09 Ac/hr | 0.24 | 0.20 | 1.55 D | 3.03 | 0.79 | 5.37 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.01 | 0.01 | 0.06 D | 0.02 | | 0.08 | |
| Subtotal | | | 0.61 Hrs | | 3.39 | 4.60 | 2.49 | \$10.48 | |
| Diesel | | 4.74 Gal @ \$0.65 | | \$3.08 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 6 | 45 lb | 0.17 | 7.65 | \$7.65 |
| Fertilizer | Anhy N | 4 | 70 lb. N | 0.12 | 8.40 | 8.40 |
| Chemicals | Atrazine 4L | 1 | 1 pt | 1.33 | 1.33 | 1.33 |
| | Roundup | 1 | 1 pt | 5.77 | 5.77 | 5.77 |
| Custom | Broadcast Spray | 1 | 1 ac | 3.50 | 3.50 | 3.50 |
| | Truck | 8 | 35 bu | 0.12 | 4.20 | 4.20 |
| Subtotal | | | | | \$30.85 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$41.33 | |
| Interest on Oper. Capital \$41.33 @ 8.3% for 8 Months | | | | | 2.29 | |
| Unpaid Labor 0.61 Hours \$6.00 /hr | | | | | 3.67 | |
| Total Operating Costs | | | | | \$47.29 | |

Projected Returns
 Wheat 35 Bu @ _____
 Total Returns _____
 Net Return above Operating Costs _____

A17

Returns Above Operating Costs Budget Worksheet
 Sunflower, wheat/sunflower/fallow rot., stubble mulch
 10 Cwt Seed

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 D | 0.48 | 0.24 | 1.15 | |
| 2 | Chisel | 12.85 Ac/hr | 0.10 | 0.08 | 0.54 D | 0.60 | 0.4 | 1.54 | |
| 3 | Apply Anhy | Custom | | | | | | | |
| 4 | Disc | 13.92 Ac/hr | 0.08 | 0.07 | 0.50 D | 0.55 | 0.6 | 1.65 | |
| 5 | Field Cult | 14.05 Ac/hr | 0.08 | 0.07 | 0.49 D | 0.55 | 0.26 | 1.30 | |
| 6 | Sprayer in tand | 14.05 Ac/hr | | 0.07 | | | 0.15 | 0.15 | |
| 7 | Rod Weed | 17.45 Ac/hr | 0.07 | 0.06 | 0.40 D | 0.44 | 0.17 | 1.01 | |
| 8 | Plant | 6.53 Ac/hr | 0.18 | 0.15 | 0.67 D | 0.19 | 1.24 | 2.10 | |
| 9 | Row Crop Cult | 7.05 Ac/hr | 0.17 | 0.14 | 0.62 D | 0.17 | 0.08 | 0.87 | |
| 10 | Combine | 5.09 Ac/hr | 0.24 | 0.20 | 1.55 D | 3.03 | 0.74 | 5.32 | |
| 11 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.00 Hrs | | 5.20 | 6.01 | 3.88 | \$15.09 | |

Diesel 7.27 Gal @ \$0.65 \$4.72

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sunflower | 8 | 5 lb | 3.20 | 16.00 | \$16.00 | |
| Fertilizer Anhy N | 3 | 40 lb. N | 0.12 | 4.80 | 4.80 | |
| Chemicals Prowl | 6 | 2 pt | 3.72 | 7.44 | 7.44 | |
| Custom Truck | 11 | 10 cwt | 0.17 | 1.70 | 1.70 | |
| Subtotal | | | | | \$29.94 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$45.03 | |
| Interest on Oper. Capital \$45.03 @ 8.3% for 8 Months | | | | | 2.49 | |
| Unpaid Labor 1.00 Hours \$6.00 /hr | | | | | 5.98 | |
| Total Operating Costs | | | | | \$53.50 | |

Projected Returns

Seed 10 Cwt @

Total Returns

Net Return above Operating Costs

A18 Returns Above Operating Costs Budget Worksheet
Millet of Wheat/millet rotation, stubble mulch fallow
20 Cwt Millet

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 | D 0.48 | 0.24 | 1.15 | |
| 2 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 | D 0.48 | 0.24 | 1.15 | |
| 3 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 | D 0.48 | 0.24 | 1.15 | |
| 4 | Noble | 16 Ac/hr | 0.07 | 0.06 | 0.43 | D 0.48 | 0.24 | 1.15 | |
| 5 | Chisel | 12.85 Ac/hr | 0.10 | 0.08 | 0.54 | D 0.60 | 0.4 | 1.54 | |
| 6 | Apply Anhy | Custom | | | | | | | |
| 7 | Disc | 13.92 Ac/hr | 0.08 | 0.07 | 0.50 | D 0.55 | 0.6 | 1.65 | |
| 8 | Rod Weed | 17.45 Ac/hr | 0.07 | 0.06 | 0.40 | D 0.44 | 0.17 | 1.01 | |
| 9 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.52 | D 0.15 | 1.05 | 1.72 | |
| 10 | Windrow | Custom | | | | | | | |
| 11 | Combine | 5.09 Ac/hr | 0.24 | 0.20 | 1.55 | D 3.03 | 0.74 | 5.32 | |
| 12 | Truck | Custom | | | | | | | |
| Subtotal | | | 0.92 Hrs | | 5.23 | 6.69 | 3.92 | \$15.84 | |

Diesel 7.30 Gal @ \$0.65 \$4.74

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Millet | 9 | 12 lb | 0.36 | 4.32 | \$4.32 | |
| Fertilizer Anhy N | 6 | 40 lb. N | 0.12 | 4.80 | 4.80 | |
| Custom Windrower | 10 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Truck | 12 | 20 bu | 0.17 | 3.40 | 3.40 | |
| Subtotal | | | | | \$20.02 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$35.86 | |
| Interest on Oper. Capital | | \$35.86 @ 8.3% | for 8 Months | | 1.98 | |
| Unpaid Labor | | 0.92 Hours | \$6.00 /hr | | 5.54 | |
| Total Operating Costs | | | | | \$43.38 | |

Projected Returns
Millet 20 Cwt @
Total Returns
Net Return above Operating Costs

DESCRIPTION OF THE CROP BUDGETS FOR SOUTHWEST NEBRASKA

Due to variations in soils, precipitation, topography, depth to water table, etc., one set of operations cannot be selected as typical. Therefore, the crop budgets represent acreages, practices, and machinery sizes that are deemed representative of the area. An attempt has been made also to use machinery sizes that are consistent with the acreages farmed.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost budget worksheets.

| SW 1994 Machinery List -- Southwestern Nebraska | | | | | | |
|---|---------------------------------------|--------|------------|----------------|----------|-----------|
| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 1 | Elec Pivot 206' head | 68,500 | 900 hr | 20 | 0 | 1.18/hr |
| 2 | Diesel Pivot 206' head | 71,900 | 900 hr | 17 | 0 | 1.49/hr |
| 3 | Elec Pivot 281' head | 74,700 | 900 hr | 20 | 0 | 1.19/hr |
| 4 | Diesel Pivot 281' head | 80,600 | 900 hr | 17 | 0 | 1.66/hr |
| 9 | Elec Gated 148' head | 60,000 | 900 hr | 24 | 0 | .83/hr |
| 10 | Diesel Gated 148' head | 65,600 | 900 hr | 22 | 0 | 1.08/hr |
| 15 | Tractor 100 hp diesel cab | 47,800 | 500 hr | 10 | 14,120 | 2.39/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 400 hr | 10 | 19,370 | 2.62/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| 94 | Swather/Conditioner 14' self prop | 45,463 | 150 hr | 10 | 8,575 | 15.08/hr |
| Implements | | | | | | |
| 25 | Chisel 24' | 11,894 | 600 ac | 15 | 1,142 | .29/ac |
| 27 | Blade Plow 25' (5x5) | 15,000 | 600 ac | 15 | 1,440 | .20/ac |
| 31 | Tandem Disc 28' | 21,979 | 1,100 ac | 15 | 2,111 | .48/ac |
| 37 | Field Cultivator 30' | 12,949 | 1,200 ac | 8 | 2,923 | .19/ac |
| 38 | Row Crop Cultivator 6 row x 30" | 3,803 | 800 ac | 10 | 672 | .28/ac |
| 39 | Row Crop Cultivator 6 row x 36" | 5,445 | 600 ac | 15 | 522 | .31/ac |
| 40 | Ridge-Till Cultivator 6 row x 30" | 7,041 | 600 ac | 15 | 676 | .60/ac |
| 45 | Rodweeder 24' | 7,300 | 500 ac | 15 | 701 | .13/ac |
| 48 | Rotary Hoe 20' | 5,461 | 200 ac | 15 | 525 | .05/ac |
| 49 | Roller/Packer 15' | 11,000 | 300 ac | 15 | 1,055 | .22/ac |
| 53 | Spike Tooth Harrow 24' | 1,172 | 150 ac | 20 | 61 | .01/ac |
| 61 | Grain Drill 30' hoe 3x10 10" spacing | 28,500 | 800 ac | 15 | 2,737 | 1.82/ac |
| 66 | Planter 6 row x 30" | 15,640 | 500 ac | 7 | 3,990 | 1.18/ac |
| 67 | Planter 6 row x 36" | 14,437 | 400 ac | 10 | 2,553 | .86/ac |
| 68 | Ridge-Till Planter 6 row x 30" | 14,495 | 400 ac | 10 | 2,563 | 1.86/ac |
| 75 | Sprayer 500 gallon 40' pull-type | 4,780 | 450 ac | 20 | 232 | .07/ac |
| 77 | Sprayer 2-200 gallon 15' saddle tanks | 2,600 | 1,100 ac | 10 | 429 | .15/ac |
| 81 | Bean Cutter 6 row x 30" | 4,066 | 200 ac | 10 | 767 | .09/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 89 | 15' grain head | 17,251 | 760 ac | 10 | 3,255 | .78/ac |
| 92 | 15' pickup head | 17,378 | 760 ac | 10 | 3,278 | .79/ac |
| 95 | Swather/Conditioner 14' pull-type | 21,042 | 500 ac | 15 | 2,155 | 1.12/ac |
| 99 | Forage Harvester 3 row | 27,642 | 150 ac | 10 | 4,562 | 1.58/ac |
| 100 | Small Square Baler wire tie | 11,437 | 400 ton | 15 | 1,025 | .59/ton |
| 101 | Large Round Baler | 19,182 | 800 ton | 10 | 3,166 | .85/ton |
| 103 | Bale Wagon & Stacker 144 bales/loan | 22,150 | 200 ac | 15 | 2,134 | 3.53/ac |
| 109 | Rolling Stalk Shredder 15' | 8,450 | 500 ac | 12 | 1,249 | .35/ac |
| 110 | Rolling Stalk Shredder 18' | 11,400 | 500 ac | 15 | 1,167 | .40/ac |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 150 bu000 | 20 | 178 | .21/bu000 |

1994 Operations List* Southwestern Nebraska

| SW Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| All Irrig | Labor | | | |
| All Irrig. | 1 | | 56.00 Kwh Elec | 1.3% |
| All Irrig. | 2 | | 4.00 Gal Diesel | 10% |
| All Irrig. | 3 | | 73.00 Kwh Elec | 1.3% |
| All Irrig. | 4 | | 5.20 Gal Diesel | 10% |
| All Irrig. | 9 | | 46.00 Kwh Elec | 1.1% |
| All Irrig. | 10 | | 3.35 Gal Diesel | 10% |
| Apply Anhy | 17 | Rent | 7.70 Gal Diesel | 10% |
| Auger | 15 | 111 | 5.10 Gal Diesel | 10% |
| Bale | 15 | 100 | 5.10 Gal Diesel | 10% |
| Bale | 15 | 101 | 5.10 Gal Diesel | 10% |
| Bale | Custom | | | |
| Bale | Custom | | | |
| Chisel | 17 | 25 | 7.70 Gal Diesel | 10% |
| Chop | 17 | 99 | 7.70 Gal Diesel | 10% |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 89 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 92 | 9.50 Gal Diesel | 10% |
| Cut | 15 | 81 | 5.10 Gal Diesel | 10% |
| Disc | 17 | 31 | 7.70 Gal Diesel | 10% |
| Drill | 15 | 61 | 5.10 Gal Diesel | 10% |
| Dry | Custom | | | |
| Field Cult | 17 | 37 | 7.70 Gal Diesel | 10% |
| Harrow | 15 | 53 | 5.10 Gal Diesel | 10% |
| Harrow | 15 | 53 | 5.10 Gal Diesel | 10% |
| Hoe | 15 | 48 | 5.10 Gal Diesel | 10% |
| Move Bales | Custom | | | |
| Noble | 17 | 27 | 7.70 Gal Diesel | 10% |
| Pack | 17 | | 7.70 Gal Diesel | 10% |
| Plant | 15 | 66 | 5.10 Gal Diesel | 10% |
| Plant | 15 | 67 | 5.10 Gal Diesel | 10% |
| Plant | 17 | 68 | 7.70 Gal Diesel | 10% |
| Ridge Cult | 17 | 40 | 7.70 Gal Diesel | 10% |
| Rod Weeder | 17 | 45 | 7.70 Gal Diesel | 10% |
| Roller | 15 | 49 | 5.10 Gal Diesel | 10% |
| Row Crop Cult | 15 | 38 | 5.10 Gal Diesel | 10% |
| Row Crop Cult | 15 | 39 | 5.10 Gal Diesel | 10% |
| Shred | 17 | 109 | 7.70 Gal Diesel | 10% |
| Shred | 17 | 110 | 7.70 Gal Diesel | 10% |
| Spray | 15 | 75 | 5.10 Gal Diesel | 10% |
| Spray | Custom | | | |
| Spray w/Disc | | 77 | | |
| Spread Fert. | Custom | | | |
| Stack | 15 | 103 | 5.10 Gal Diesel | 10% |
| Truck | Custom | | | |
| Windrow | 15 | 95 | 5.10 Gal Diesel | 10% |
| Windrow | 94 | | 3.80 Gal Diesel | 10% |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, Southwest Nebraska 1994

| Budget Crop Description | B2 Corn Grain Gravity Cont. | B3 Corn Silage Gravity ff Corn | B4 Corn Grain Ditch | B5 Corn Grain Gravity Ridge | B6 Corn Grain Pivot Cont. Fine | B7 Corn Grain Pivot Cont. Sandy | B8 Pinto Bean | B9 Soybean Pivot ff Corn | B10 Alfalfa Estab Pivot Fall | B11 Alfalfa Hay Pivot | B12 Alfalfa Hay Sub-irrig |
|-------------------------------|---|--|------------------------------|---|---|--|---------------------|-----------------------------------|--|--------------------------------|------------------------------------|
| Yield | 135.0 Bu | 20.0 Ton | 140.0 Du | 140.0 Bu | 135.0 Bu | 135.0 Bu | 20.0 cwt | 45.0 Bu | | 5.5 Ton | 6.0 Ton |
| Mgt Fee/unit | \$0.10 | \$0.70 | \$0.10 | \$0.10 | \$0.10 | \$0.10 | \$0.75 | \$0.30 | | \$2.25 | \$2.25 |
| Land Invest. | \$1,000 | \$1,000 | \$1,100 | \$1,000 | \$820 | \$820 | \$820 | \$820 | \$820 | \$820 | \$500 |
| Unimp. | 671 | 671 | 1000 | 641 | 492 | 492 | 492 | 492 | 492 | 492 | 500 |
| Irrig | 329 | 329 | 100 | 359 | 328 | 328 | 328 | 328 | 328 | 328 | |
| Mach Invest | \$236.89 | \$345.41 | \$260.70 | \$222.67 | \$209.26 | \$209.26 | \$286.67 | \$173.28 | \$87.20 | \$345.41 | \$622.53 |
| Op Cost/ac | \$171.04 | \$188.23 | \$165.79 | \$173.21 | \$185.99 | \$191.26 | \$115.44 | \$107.54 | \$86.97 | \$132.88 | \$83.86 |
| Overhead | \$8.55 | \$9.41 | \$8.29 | \$8.66 | \$9.30 | \$9.56 | \$5.77 | \$5.38 | \$4.35 | \$6.64 | \$4.19 |
| Unpaid Mgt | \$13.50 | \$14.00 | \$14.00 | \$14.00 | \$13.50 | \$13.50 | \$15.00 | \$13.50 | | \$12.38 | \$13.50 |
| RE Taxes | \$12.00 | \$12.00 | \$15.00 | \$12.00 | \$7.00 | \$7.00 | \$7.00 | \$7.00 | | \$7.00 | \$5.00 |
| Land Interest | 38.92 | 38.92 | 58.00 | 37.18 | 28.54 | 28.54 | 28.54 | 28.54 | | 28.54 | 29.00 |
| Irrig Interest | 22.70 | 22.70 | 6.90 | 24.77 | 22.63 | 22.63 | 22.63 | 22.63 | | 22.63 | |
| Irrig Deprec | 25.00 | 25.00 | 4.00 | 31.00 | 36.00 | 36.00 | 36.00 | 36.00 | | 36.00 | |
| Land Subtotal | \$98.62 | \$98.62 | \$83.90 | \$104.95 | \$94.17 | \$94.17 | \$94.17 | \$94.17 | | \$94.17 | \$34.00 |
| Mach. Interest | \$16.35 | \$23.83 | \$17.99 | \$15.36 | \$14.44 | \$14.44 | \$19.78 | \$11.96 | \$6.02 | \$23.83 | \$42.95 |
| Mach. Deprec | 29.84 | 42.82 | 31.61 | 27.44 | 26.71 | 26.71 | 35.34 | 22.54 | 9.38 | 45.96 | 73.95 |
| Mach. Subtotal | \$46.19 | \$66.65 | \$49.60 | \$42.80 | \$41.15 | \$41.15 | \$55.12 | \$34.50 | \$15.40 | \$69.79 | \$116.90 |
| Total Owner Cost | \$144.80 | \$165.27 | \$133.50 | \$147.75 | \$135.32 | \$135.32 | \$149.29 | \$128.66 | \$15.40 | \$163.96 | \$150.90 |
| Estab Costs | | | | | | | | | | \$21.34 | \$21.34 |
| Total Cost/ac | \$337.90 | \$376.91 | \$321.58 | \$343.62 | \$344.11 | \$349.64 | \$285.50 | \$255.08 | \$106.72 | \$337.20 | \$273.80 |
| Total Cost/unit | \$2.50 | \$18.85 | \$2.30 | \$2.45 | \$2.55 | \$2.59 | \$14.28 | \$5.67 | | \$61.31 | \$45.63 |

Budgeted Production Costs Summary, Southwest Nebraska 1994 (con't)

| Budget | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Crop | Grass | Pasture | Wheat | Wheat | Wheat | Wheat | Wheat | Corn | Sorghum | Sorghum | Cane |
| Description | Estab | Irrig | ff | Beans | Mulch | Clean | Cont. | Eco | Eco | Cont. | No-till |
| | Pivot | Pivot | Pivot | Fallow | Fallow | Till | Chem. | Fallow | Fallow | ff | Eco |
| | | | | via | | Fallow | Weed | | | Fallow | |
| | | | | Tillage | | | Control | | | | |
| Yield | | 12.0 AUM | 70.0 Bu | 42.0 Bu | 37.0 Bu | 30.0 Bu | 45.0 Bu | 65.0 Bu | 40.0 Bu | 70.0 Bu | 3.0 Ton |
| Mgt Fee/unit | \$0.25 | \$1.10 | \$0.20 | \$0.20 | \$0.15 | \$0.15 | \$0.15 | \$0.10 | \$0.10 | \$0.10 | \$2.00 |
| Land Invest. | \$820 | \$820 | \$820 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 |
| Unimp. | 518 | 518 | 518 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| Irrig | 302 | 302 | 302 | | | | | | | | |
| Mach Invest | \$68.93 | | \$176.95 | \$233.10 | \$230.86 | \$142.72 | \$221.69 | \$163.42 | \$214.26 | \$137.45 | \$173.35 |
| Op Cost/ac | \$105.16 | \$129.97 | \$105.10 | \$66.85 | \$64.76 | \$70.70 | \$64.45 | \$100.06 | \$66.65 | \$100.65 | \$55.40 |
| Overhead | \$5.26 | \$6.50 | \$5.26 | \$3.34 | \$3.24 | \$3.54 | \$3.22 | \$5.00 | \$3.33 | \$5.03 | \$2.77 |
| Unpaid Mgt | | \$13.20 | \$14.00 | \$8.40 | \$5.55 | \$4.50 | \$6.75 | \$6.50 | \$4.00 | \$7.00 | \$6.00 |
| RE Taxes | \$7.00 | \$7.00 | \$7.00 | \$12.00 | \$12.00 | \$6.00 | \$9.00 | \$9.00 | \$6.00 | \$6.00 | \$6.00 |
| Land Interest | 30.04 | 30.04 | 30.04 | 46.40 | 46.40 | 23.20 | 34.80 | 34.80 | 23.20 | 23.20 | 23.20 |
| Irrig Interest | 20.84 | 20.84 | 20.84 | | | | | | | | |
| Irrig Deprec | 30.00 | 30.00 | 30.00 | | | | | | | | |
| Land Subtotal | \$87.88 | \$87.88 | \$87.88 | \$58.40 | \$58.40 | \$29.20 | \$43.80 | \$43.80 | \$29.20 | \$29.20 | \$29.20 |
| Mach. Interest | \$4.76 | | \$12.21 | \$16.08 | \$15.93 | \$9.85 | \$15.30 | \$11.28 | \$14.78 | \$9.48 | \$11.96 |
| Mach. Deprec | 7.55 | | 22.08 | 28.54 | 28.30 | 17.42 | 26.39 | 21.24 | 27.18 | 18.11 | 20.68 |
| Mach. Subtotal | \$12.31 | | \$34.29 | \$44.62 | \$44.23 | \$27.27 | \$41.69 | \$32.52 | \$41.96 | \$27.59 | \$32.64 |
| Total Owner Cost | \$100.19 | \$87.88 | \$122.17 | \$103.02 | \$102.63 | \$56.47 | \$85.49 | \$76.32 | \$71.16 | \$56.79 | \$61.84 |
| Estab Costs | | \$42.12 | | | | | | | | | |
| Total Cost/ac | \$210.61 | \$279.67 | \$246.53 | \$181.62 | \$176.18 | \$135.20 | \$159.91 | \$187.88 | \$145.15 | \$169.48 | \$126.01 |
| Total Cost/unit | | \$23.31 | \$3.52 | \$4.32 | \$4.76 | \$4.51 | \$3.55 | \$2.89 | \$3.63 | \$2.42 | \$42.00 |

B2 Returns Above Operating Costs Budget Worksheet
 Cont. Corn, Gravity Irrig, Elec, 206' Head
 15 Acre-inches 135 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Shred | 7.72 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.35 | 1.40 | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 3 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 4 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 7 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 8 | All Irrig. | 1000 GPM | 1.48 | 6.73 | 23.46 E | 5.59 | | 29.05 | |
| 9 | Combine | 4.04 Ac/hr | 0.30 | 0.25 | 1.68 D | 3.82 | 1.5 | 7.00 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.20 D | 0.13 | 0.03 | 0.36 | |
| 12 | Dry | Custom | | | | | | | |
| Subtotal | | | 3.06 Hrs | | 29.87 | 12.09 | 4.58 | \$46.54 | |

Diesel 8.98 Gal @ \$0.65 \$5.83
 Electricity 309.58 KWH @ \$0.075 \$23.22

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 5 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer Anhy N | 4 | 140 lb. N | 0.12 | 16.80 | 16.80 | |
| 10-34-0 | 5 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals Bicep | 5 | 0.72 qt | 8.13 | 5.85 | 5.85 | |
| Lorsban 15G | 5 | 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom Truck | 10 | 135 bu | 0.12 | 16.20 | 16.20 | |
| Dryer | 12 | 135 bu | 0.10 | 13.50 | 13.50 | |
| Rental Anhy Applic | 4 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$98.11 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$144.65 | |
| Interest on Oper. Capital \$144.65 @ 8.3% for 8 Months | | | | | 8.00 | |
| Unpaid Labor 3.06 Hours \$6.00 /hr | | | | | 18.39 | |
| Total Operating Costs | | | | | \$171.04 | |

Projected Returns

Corn 135 Bu @

Total Returns

Net Return above Operating Costs

B3 Returns Above Operating Costs Budget Worksheet
 Corn Silage After Corn, Gravity Irrig. Elect., 206' Head
 15 Acre-inches 20 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------------|--------------|------|---------------|-------|--------------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Power | Repairs Impl | | |
| 1 | Shred | 7.72 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.35 | 1.40 | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 3 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 4 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 7 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 8 | All Irrig. | 1000 GPM | 1.48 | 6.73 | 23.46 E | 5.59 | | 29.05 | |
| 9 | Chop | 2.07 Ac/hr | 0.58 | 0.48 | 2.66 D | 1.27 | 1.58 | 5.51 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Pack | 45 Ton/hr | 0.53 | 0.44 | 2.45 D | 1.16 | | 3.61 | |
| Subtotal | | | 3.81 Hrs | | 33.10 | 10.57 | 4.63 | \$48.30 | |
| Diesel | | 13.43 Gal @ \$0.65 | \$8.73 | | | | | | |
| Electricity | | 309.58 KWH @ \$0.075 | \$23.22 | | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 5 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer Anhy N | 3 | 140 lb. N | 0.12 | 16.80 | 16.80 | |
| | 5 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals Bicep | 5 | 0.72 qt | 8.13 | 5.85 | 5.85 | |
| | 5 | 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom Truck | 10 | 20 ton | 2.00 | 40.00 | 40.00 | |
| Rental Anhy Applic | 3 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$108.41 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$156.71 | |
| Interest on Oper. Capital \$156.71 @ 8.3% for 8 Months | | | | | 8.67 | |
| Unpaid Labor 3.81 Hours \$6.00 /hr | | | | | 22.85 | |
| Total Operating Costs | | | | | \$188.23 | |

Projected Returns
 Silage 20 Ton @
 Total Returns
 Net Return above Operating Costs

B4

Returns Above Operating Costs Budget Worksheet
 Corn For Grain, Ditch Irrig.

16 Acre-inches 140 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Shred | 9.26 Ac/hr | 0.13 | 0.11 | 0.59 D | 0.28 | 0.4 | 1.27 | |
| 2 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 3 | Chisel | 6.17 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.42 | 0.29 | 1.60 | |
| 4 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 5 | Plant | 5.88 Ac/hr | 0.20 | 0.17 | 0.62 D | 0.41 | 0.86 | 1.89 | |
| 6 | Row Crop Cult | 6.35 Ac/hr | 0.19 | 0.16 | 0.57 D | 0.38 | 0.31 | 1.26 | |
| 7 | Row Crop Cult | 6.35 Ac/hr | 0.19 | 0.16 | 0.57 D | 0.38 | 0.31 | 1.26 | |
| 8 | Row Crop Cult | 6.35 Ac/hr | 0.19 | 0.16 | 0.57 D | 0.38 | 0.31 | 1.26 | |
| 9 | All Irrig. | Labor | 1.67 | | | | | | |
| 10 | Combine | 4.04 Ac/hr | 0.30 | 0.25 | 1.68 D | 3.82 | 1.5 | 7.00 | |
| 11 | Truck | Custom | | | | | | | |
| 12 | Auger | 2500 Bu/hr | 0.07 | 0.06 | 0.20 D | 0.13 | 0.03 | 0.36 | |
| 13 | Dry | Custom | | | | | | | |
| Subtotal | | | 3.42 Hrs | | 6.94 | 6.80 | 4.49 | \$18.23 | |

Diesel 9.85 Gal @ \$0.65 \$6.40

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 5 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer Anhy N | 2 | 150 lb. N | 0.12 | 18.00 | 18.00 | |
| 10-34-0 | 5 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals Bicep | 5 | 0.72 qt | 8.13 | 5.85 | 5.85 | |
| Lorsban 15G | 5 | 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom Truck | 11 | 140 bu | 0.12 | 16.80 | 16.80 | |
| Dryer | 13 | 140 bu | 0.10 | 14.00 | 14.00 | |
| Rental Anhy Applic | 2 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Other Water tax | 9 | 1 ac | 19.00 | 19.00 | 19.00 | |
| Subtotal | | | | | \$119.41 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$137.64 | |
| Interest on Oper. Capital \$137.64 @ 8.3% for 8 Months | | | | | 7.62 | |
| Unpaid Labor 3.42 Hours \$6.00 /hr | | | | | 20.53 | |
| Total Operating Costs | | | | | \$165.79 | |

Projected Returns

Corn 140 Bu @
 Crop Residue 2 AUM @

Total Returns

Net Return above Operating Costs

B5

Returns Above Operating Costs Budget Worksheet
 Ridge-Till, Corn Grain, Gravity Irrig., Diesel 206' Head
 15 Acre-inches 140 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Shred | 9.26 Ac/hr | 0.13 | 0.11 | 0.59 D | 0.28 | 0.4 | 1.27 | |
| 2 | Spray | Custom | | | | | | | |
| 3 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 4 | Plant | 5.88 Ac/hr | 0.20 | 0.17 | 0.94 D | 0.45 | 1.86 | 3.25 | |
| 5 | Ridge Cult | 6.35 Ac/hr | 0.19 | 0.16 | 0.87 D | 0.41 | 0.6 | 1.88 | |
| 6 | Ridge Cult | 6.35 Ac/hr | 0.19 | 0.16 | 0.87 D | 0.41 | 0.6 | 1.88 | |
| 7 | All Irrig. | 1000 GPM | 1.48 | 6.73 | 16.12 D | 7.27 | | 23.39 | |
| 8 | Combine | 4.04 Ac/hr | 0.30 | 0.25 | 1.68 D | 3.82 | 1.5 | 7.00 | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Auger | 2500 Bu/hr | 0.07 | 0.06 | 0.20 D | 0.13 | 0.03 | 0.36 | |
| 11 | Dry | Custom | | | | | | | |
| Subtotal | | | 2.75 Hrs | | 22.07 | 13.15 | 4.99 | \$40.21 | |

Diesel 31.00 Gal @ \$0.65 \$20.15

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 4 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer Anhy N | 3 | 150 lb. N | 0.12 | 18.00 | 18.00 | |
| | 4 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals 2,4D Ester | 2 | 1 pt | 1.69 | 1.69 | 1.69 | |
| | 2 | 2 pt | 1.33 | 2.66 | 2.66 | |
| | 4 | 0.72 qt | 8.13 | 5.85 | 5.85 | |
| | 4 | 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom Spray | 2 | 1 ac | 3.50 | 3.50 | 3.50 | |
| | 9 | 140 bu | 0.12 | 16.80 | 16.80 | |
| | 11 | 140 bu | 0.10 | 14.00 | 14.00 | |
| Rental Anhy Applic | 3 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$108.26 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$148.47 | |
| Interest on Oper. Capital \$148.47 @ 8.3% for 8 Months | | | | | 8.22 | |
| Unpaid Labor 2.75 Hours \$6.00 /hr | | | | | 16.52 | |
| Total Operating Costs | | | | | \$173.21 | |

Projected Returns

Corn 140 Bu @
 Crop Residue 2 AUM @

Total Returns

Net Return above Operating Costs

B6

Returns Above Operating Costs Budget Worksheet
 Cont Corn, Grain, Pivot Diesel, 281' Head, Fine Texture
 15 Acre-inches 135 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Shred | 7.72 Ac/hr | 0.16 | 0.13 | 0.71 | D 0.34 | 0.35 | 1.40 | |
| 2 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 | D 0.38 | | 1.18 | |
| 3 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 | D 0.22 | 0.48 | 1.15 | |
| 4 | Spray w/Disc | 12.14 Ac/hr | | 0.08 | | | 0.15 | 0.15 | |
| 5 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 | D 0.22 | 0.48 | 1.15 | |
| 6 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 | D 0.49 | 1.18 | 2.41 | |
| 7 | All Irrig. | 800 GPM | 0.51 | 8.42 | 31.29 | D 13.97 | | 45.26 | |
| 8 | Combine | 4.04 Ac/hr | 0.30 | 0.25 | 1.68 | D 3.82 | 1.5 | 7.00 | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.20 | D 0.13 | 0.03 | 0.36 | |
| 11 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.63 Hrs | | 36.32 | 19.57 | 4.17 | \$60.06 | |

Diesel 50.82 Gal @ \$0.65 \$33.03

| Materials & Services | | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 6 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy N | 2 | 140 lb. N | 0.12 | 16.80 | 16.80 | |
| | 10-34-0 | 6 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals | Bicep | 4 | 1.8 qt | 8.13 | 14.63 | 14.63 | |
| | Lorsban 15G | 6 | 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom | Truck | 8 | 135 bu | 0.12 | 16.20 | 16.20 | |
| | Drying | 10 | 135 bu | 0.10 | 13.50 | 13.50 | |
| Rental | Anhy Applic | 2 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | | \$106.89 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$166.95 | |
| Interest on Oper. Capital \$166.95 @ 8.3% for 8 Months | | | | | | 9.24 | |
| Unpaid Labor 1.63 Hours \$6.00 /hr | | | | | | 9.80 | |
| Total Operating Costs | | | | | | \$185.99 | |

Projected Returns

Corn 135 Bu @

Total Returns

Net Return above Operating Costs

B7 Returns Above Operating Costs Budget Worksheet
 Cont Corn, Grain, Pivot Diesel, 281' Head, Sandy Soil
 15 Acre-inches 135 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Shred | 7.72 Ac/hr | 0.16 | 0.13 | 0.71 | D 0.34 | 0.35 | 1.40 | |
| 2 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 | D 0.38 | | 1.18 | |
| 3 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 | D 0.22 | 0.48 | 1.15 | |
| 4 | Spray w/Disc | 12.14 Ac/hr | | 0.08 | | | 0.15 | 0.15 | |
| 5 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 | D 0.22 | 0.48 | 1.15 | |
| 6 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 | D 0.49 | 1.18 | 2.41 | |
| 7 | All Irrig. | 800 GPM | 0.51 | 8.42 | 31.29 | D 13.97 | | 45.26 | |
| 8 | Combine | 4.04 Ac/hr | 0.30 | 0.25 | 1.68 | D 3.82 | 1.5 | 7.00 | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.20 | D 0.13 | 0.03 | 0.36 | |
| 11 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.63 Hrs | | 36.32 | 19.57 | 4.17 | \$60.06 | |

Diesel 50.82 Gal @ \$0.65 \$33.03

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 6 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer Anhy N | 2 | 140 lb. N | 0.12 | 16.80 | 16.80 | |
| 10-0-0-10z | 6 | 1 gal | 2.54 | 2.54 | 2.54 | |
| 10-34-0 | 6 | 6 gal | 1.22 | 7.32 | 7.32 | |
| 28-0-0 | 6 | 10 lb. N | 0.23 | 2.30 | 2.30 | |
| Chemicals Bullet | 4 | 3 qt | 4.93 | 14.79 | 14.79 | |
| Lorsban 15G | 6 | 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom Truck | 9 | 135 bu | 0.12 | 16.20 | 16.20 | |
| Drying | 11 | 135 bu | 0.10 | 13.50 | 13.50 | |
| Rental Anhydrous App. | 2 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$111.89 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$171.95 | |
| Interest on Oper. Capital \$171.95 @ 8.3% for 8 Months | | | | | 9.51 | |
| Unpaid Labor 1.63 Hours \$6.00 /hr | | | | | 9.80 | |
| Total Operating Costs | | | | | \$191.26 | |

Projected Returns

Corn 135 Bu @

Total Returns

Net Return above Operating Costs

B8

Returns Above Operating Costs Budget Worksheet
 Pinto Beans, Center Pivot Irrig., Diesel, 281' Head
 9 Acre-inches 20 cwt Beans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Shred | 7.72 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.35 | 1.40 | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 3 | Spray w/Disc | 12.14 Ac/hr | | 0.08 | | | 0.15 | 0.15 | |
| 4 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 6 | Hoe | 17.92 Ac/hr | 0.07 | 0.06 | 0.20 D | 0.13 | 0.05 | 0.38 | |
| 7 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 8 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 9 | All Irrig. | 800 GPM | 0.30 | 5.05 | 18.77 D | 8.38 | | 27.15 | |
| 10 | Cut | 5.73 Ac/hr | 0.20 | 0.17 | 0.64 D | 0.42 | 0.09 | 1.15 | |
| 11 | Windrow | 3.82 Ac/hr | 0.31 | 0.26 | 0.95 D | 0.63 | 1.12 | 2.70 | |
| 12 | Combine | 4 Ac/hr | 0.30 | 0.25 | 1.70 D | 3.86 | 0.79 | 6.35 | |
| 13 | Truck | Custom | | | | | | | |
| Subtotal | | | 2.24 Hrs | | 25.99 | 15.59 | 5.25 | \$46.83 | |

Diesel 36.33 Gal @ \$0.65 \$23.61

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Pinto Beans | 5 | 0.5 cwt | 50.00 | 25.00 | \$25.00 | |
| Fertilizer 10-34-0 | 5 | 9 gal | 1.22 | 10.98 | 10.98 | |
| Chemicals Freedom | 3 | 3.5 qt | 2.99 | 10.47 | 10.47 | |
| Custom Truck | 13 | 20 cwt | 0.17 | 3.40 | 3.40 | |
| Subtotal | | | | | \$49.85 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$96.68 | |
| Interest on Oper. Capital \$96.68 @ 8.3% for 8 Months | | | | | 5.35 | |
| Unpaid Labor 2.24 Hours \$6.00 /hr | | | | | 13.41 | |
| Total Operating Costs | | | | | \$115.44 | |

Projected Returns
 Beans 20 cwt @

Total Returns
 Net Return above Operating Costs

B9 Returns Above Operating Costs Budget Worksheet
 Soybeans Following Corn,Pivot Irrig.,Diesel 281'Head
 10 Acre-inches 45 Bu Beans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|--------------------|--------------|---------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Shred | 7.72 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.35 | 1.40 | |
| 2 | Spray w/Disc | 12.14 Ac/hr | | 0.08 | | | 0.15 | 0.15 | |
| 3 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 6 | All Irrig. | 800 GPM | 0.34 | 5.61 | 20.86 D | 9.31 | | 30.17 | |
| 7 | Combine | 4 Ac/hr | 0.30 | 0.25 | 1.70 D | 3.86 | 0.78 | 6.34 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.07 D | 0.04 | 0.01 | 0.12 | |
| Subtotal | | | 1.38 Hrs | | 25.22 | 14.71 | 3.23 | \$43.16 | |
| Diesel | | 35.26 Gal @ \$0.65 | | \$22.92 | | | | | |

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed Soybeans | 4 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Fertilizer 10-34-0 | 4 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals Pursuit + | 2 | 2.5 pt | 9.50 | 23.75 | 23.75 | |
| Custom Truck | 8 | 45 bu | 0.12 | 5.40 | 5.40 | |
| Subtotal | | | | | \$50.90 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$94.06 | |
| Interest on Oper. Capital | | \$94.06 @ 8.3% for 8 Months | | | 5.20 | |
| Unpaid Labor | | 1.38 Hours @ \$6.00 /hr | | | 8.28 | |
| Total Operating Costs | | | | | \$107.54 | |

Projected Returns
 Beans 45 Bu @
 Total Returns
 Net Return above Operating Costs

B10

Returns Above Operating Costs Budget Worksheet
 Fall Seed Alfalfa, Center Pivot Irrig., Diesel 281' Head
 4 Acre-inches

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|--------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 2 | Spread Fert. | Custom | | | | | | | |
| 3 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 4 | Harrow | 12.33 Ac/hr | 0.10 | 0.08 | 0.30 D | 0.19 | 0.01 | 0.50 | |
| 5 | Harrow | 12.33 Ac/hr | 0.10 | 0.08 | 0.30 D | 0.19 | 0.01 | 0.50 | |
| 6 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.56 D | 0.36 | 0.22 | 1.14 | |
| 7 | Plant | Custom | | | | | | | |
| 8 | All Irrig. | 800 GPM | 0.13 | 2.24 | 8.34 D | 3.73 | | 12.07 | |
| Subtotal | | | 0.70 Hrs | | 10.40 | 4.91 | 1.20 | \$16.51 | |
| Diesel | | 14.46 Gal @ \$0.65 | | \$9.40 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed Alfalfa | 7 | 12 lb | 3.44 | 41.28 | \$41.28 | |
| Fertilizer 0-46-0 | 2 | 60 lb.P20 | 0.19 | 11.40 | 11.40 | |
| Custom Spread Fert. | 2 | 1 ac | 3.25 | 3.25 | 3.25 | |
| Seeder | 7 | 1 ac | 6.00 | 6.00 | 6.00 | |
| Subtotal | | | | | \$61.93 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$78.44 | |
| Interest on Oper. Capital | | \$78.44 @ 8.3% for 8 Months | | | 4.34 | |
| Unpaid Labor | | 0.70 Hours \$6.00 /hr | | | 4.19 | |
| Total Operating Costs | | | | | \$86.97 | |

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Center Pivot Irrig., Diesel 281' Head
 18 Acre-inches 5.5 Ton Alfalfa Hay
Cost per Acre

| Operation # | Description | Operation Rate | Hrs per Acre | | Fuel & Repairs | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|-------|----------------|-------------|-----------|---------------|
| | | | Labor | Mach | Lube | Power | | |
| 1 | Spread Fert. | Custom | | | | | | |
| 2 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | |
| 3 | Bale | 5.43 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.61 1.15 | 2.68 | |
| 4 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | |
| 5 | Bale | 5.43 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.61 1.15 | 2.68 | |
| 6 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | |
| 7 | Bale | 5.43 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.61 1.15 | 2.68 | |
| 8 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | |
| 9 | Bale | 5.43 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.61 1.15 | 2.68 | |
| 10 | All Irrig. | 800 GPM | 0.61 | 10.10 | 37.54 | D16.76 | 54.30 | |
| 11 | Move Bales | Custom | | | | | | |
| Subtotal | | | 3.20 | Hrs | 44.34 | 36.44 4.60 | \$85.38 | |

Diesel 62.03 Gal @ \$0.65 \$40.32

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|------------------|---------------|---------------|-----------|---------------|
| Fertilizer | 0-46-0 | 1 60 lb.P20 | 0.19 | 11.40 | \$11.40 | |
| Custom | Spread Fert. | 1 1 ac | 3.25 | 3.25 | 3.25 | |
| Other | Move Bales | 11 5.5 bale | 1.00 | 5.50 | 5.50 | |
| | Twine | 3 2 bales | 0.40 | 0.80 | 0.80 | |
| | Twine | 5 1.75 bales | 0.40 | 0.70 | 0.70 | |
| | Twine | 7 1.25 bales | 0.40 | 0.50 | 0.50 | |
| | Twine | 9 0.5 bales | 0.40 | 0.20 | 0.20 | |
| Subtotal | | | | | \$22.35 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$107.73 | |
| Interest on Oper. Capital \$107.73 @ 8.3% for 8 Months | | | | | 5.96 | |
| Unpaid Labor 3.20 Hours \$6.00 /hr | | | | | 19.19 | |
| Total Operating Costs | | | | | \$132.88 | |

Projected Returns
 Alfalfa Hay 5.5 Ton @
 Total Returns
 Net Return above Operating Costs

B12

Returns Above Operating Costs Budget Worksheet
 Sub-Irrigated Alfalfa Platte Valley
 6 Ton Alfalfa Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|---------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | _____ | |
| 3 | Bale | 5.93 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.60 0.87 | 2.39 | _____ | |
| 4 | Stack | 14 Ac/hr | 0.08 | 0.07 | 0.26 | D 0.17 3.53 | 3.96 | _____ | |
| 5 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | _____ | |
| 6 | Bale | 5.93 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.60 0.87 | 2.39 | _____ | |
| 7 | Stack | 14 Ac/hr | 0.08 | 0.07 | 0.26 | D 0.17 3.53 | 3.96 | _____ | |
| 8 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | _____ | |
| 9 | Bale | 5.93 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.60 0.87 | 2.39 | _____ | |
| 10 | Stack | 14 Ac/hr | 0.08 | 0.07 | 0.26 | D 0.17 3.53 | 3.96 | _____ | |
| 11 | Windrow | 3.5 Ac/hr | 0.35 | 0.29 | 0.78 | D 4.31 | 5.09 | _____ | |
| 12 | Bale | 5.93 Ton/hr | 0.30 | 0.25 | 0.92 | D 0.60 0.87 | 2.39 | _____ | |
| 13 | Stack | 14 Ac/hr | 0.08 | 0.07 | 0.26 | D 0.17 3.53 | 3.96 | _____ | |
| Subtotal | | | 2.93 Hrs | | 7.84 | 20.32 17.60 | \$45.76 | _____ | |

Diesel 10.94 Gal @ \$0.65 \$7.11

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 0-46-0 | 1 | 60 lb.P20 | 0.19 | 11.40 | \$11.40 | _____ |
| Custom Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 | _____ |
| Other Twine | 3 | 2 bales | 0.40 | 0.80 | 0.80 | _____ |
| Twine | 6 | 1.75 bales | 0.40 | 0.70 | 0.70 | _____ |
| Twine | 9 | 1.5 bales | 0.40 | 0.60 | 0.60 | _____ |
| Twine | 12 | 0.75 bales | 0.40 | 0.30 | 0.30 | _____ |
| Subtotal | | | | | \$17.05 | _____ |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$62.81 | _____ |
| Interest on Oper. Capital \$62.81 @ 8.3% for 8 Months | | | | | 3.48 | _____ |
| Unpaid Labor 2.93 Hours \$6.00 /hr | | | | | 17.57 | _____ |
| Total Operating Costs | | | | | \$83.86 | _____ |

Projected Returns

Alfalfa Hay 6 Ton @

Total Returns _____

Net Return above Operating Costs _____

B13

Returns Above Operating Costs Budget Worksheet
 Fall Seed Grass, Center Pivot., Elect. Diesel 281' Head
 4 Acre-inches

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 2 | Spread Fert. | Custom | | | | | | | |
| 3 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 4 | Roll | 6.55 Ac/hr | 0.18 | 0.15 | 0.56 D | 0.36 | 0.22 | 1.14 | |
| 5 | Plant | Custom | | | | | | | |
| 6 | All Irrig. | 800 GPM | 0.13 | 2.24 | 12.41 E | 2.67 | | 15.08 | |
| Subtotal | | | 0.51 Hrs | | 13.87 | 3.47 | 1.18 | \$18.52 | |
| Diesel | | 2.00 Gal @ \$0.65 | \$1.30 | | | | | | |
| Electricity | | 163.52 KWH @ \$0.075 | \$12.26 | | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed Grass | 5 | 16 lb | 4.00 | 64.00 | \$64.00 | |
| Fertilizer 18-46-0 | 2 | 100 lb | 0.11 | 11.00 | 11.00 | |
| Custom Spread Fert. | 2 | 1 ac | 3.25 | 3.25 | 3.25 | |
| Subtotal | | | | | \$78.25 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$96.77 | |
| Interest on Oper. Capital | | \$96.77 @ 8.3% for 8 Months | | | 5.35 | |
| Unpaid Labor | | 0.51 Hours @ \$6.00 /hr | | | 3.04 | |
| Total Operating Costs | | | | | \$105.16 | |

B14 Returns Above Operating Costs Budget Worksheet
 Pasture Center Pivot., Elect. Diesel 281' Head
 18 Acre-inches 12 AUM Pasture

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Your Estimate |
|-------------|-------------|----------------|--------------|-------|---------------|--------------------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | Sub-Total | |
| 1 | All Irrig. | 800 GPM | 0.61 | 10.10 | 55.84 | E12.02 | 67.86 | |
| Subtotal | | | 0.61 Hrs | | 55.84 | 12.02 | \$67.86 | |

Electricity 737.30 KWH @ \$0.075 \$55.30

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 28-0-0 | 1 | 220 lb. N | 0.23 | 50.60 | \$50.60 | |
| Other Fencing | 2 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Move Cattle | 3 | 1 ac | 0.25 | 0.25 | 0.25 | |
| Subtotal | | | | | \$51.85 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$119.71 | |
| Interest on Oper. Capital \$119.71 @ 8.3% for 8 Months | | | | | 6.62 | |
| Unpaid Labor 0.61 Hours \$6.00 /hr | | | | | 3.64 | |
| Total Operating Costs | | | | | \$129.97 | |

Projected Returns

| | | | |
|----------------------------------|--------|---|--|
| Pasture | 12 AUM | @ | |
| Total Returns | | | |
| Net Return above Operating Costs | | | |

B15 Returns Above Operating Costs Budget Worksheet
 Wheat Following Beans, Center Pivot, Elec. 281' Head
 6 Acre-inches 70 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------------|--------------|---------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 2 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 3 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 4 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 5 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.43 D | 0.28 | 1.82 | 2.53 | |
| 6 | All Irrig. | 800 GPM | 0.20 | 3.37 | 18.61 E | 4.01 | | 22.62 | |
| 7 | Spray | Custom | | | | | | | |
| 8 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.10 D | 0.07 | 0.02 | 0.19 | |
| Subtotal | | | 1.22 Hrs | | 23.28 | 9.30 | 3.13 | \$35.71 | |
| Diesel | | 6.59 Gal @ \$0.65 | | \$4.28 | | | | | |
| Electricity | | 246.01 KWH @ \$0.075 | | \$18.45 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|----------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 5 75 lb | 0.17 | 12.75 | \$12.75 | |
| Fertilizer | Anhy N | 3 80 lb. N | 0.12 | 9.60 | 9.60 | |
| | 10-34-0 | 5 8 gal | 1.22 | 9.76 | 9.76 | |
| Chemicals | Fungicide Tilt | 7 4 oz | 2.73 | 10.92 | 10.92 | |
| Custom | Aerial Spray | 7 1 ac | 4.00 | 4.00 | 4.00 | |
| | Truck | 9 70 bu | 0.12 | 8.40 | 8.40 | |
| Rental | Anhy Applic | 3 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$56.93 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$92.64 | |
| Interest on Oper. Capital | | \$92.64 @ 8.3% for 8 Months | | | 5.13 | |
| Unpaid Labor | | 1.22 Hours @ \$6.00 /hr | | | 7.33 | |
| Total Operating Costs | | | | | \$105.10 | |

Projected Returns
 Wheat 70 Bu @
 Total Returns
 Net Return above Operating Costs

B16

Returns Above Operating Costs Budget Worksheet
 Wheat Stubble Mulch Fallow Via Tillage
 42 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.29 | 1.12 | |
| 2 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 3 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 4 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 5 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 6 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 7 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 8 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.43 D | 0.28 | 1.82 | 2.53 | |
| 9 | Spray | Custom | | | | | | | |
| 10 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 11 | Truck | Custom | | | | | | | |
| 12 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.06 D | 0.04 | 0.01 | 0.11 | |
| Subtotal | | | 1.37 Hrs | | 6.27 | 6.05 | 3.73 | \$16.05 | |

Diesel 8.85 Gal @ \$0.65 \$5.75

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed Wheat | 8 | 60 lb | 0.17 | 10.20 | \$10.20 | |
| Fertilizer Anhy N | 5 | 50 lb. N | 0.12 | 6.00 | 6.00 | |
| | 8 | 8 gal | 1.22 | 9.76 | 9.76 | |
| Chemicals 2,4-D Amine | 9 | 0.5 pt | 1.34 | 0.67 | 0.67 | |
| | 9 | 0.1 oz | 28.46 | 2.85 | 2.85 | |
| Custom Spray | 9 | 1 ac | 3.50 | 3.50 | 3.50 | |
| | 11 | 42 bu | 0.12 | 5.04 | 5.04 | |
| Rental Anhy Applic | 5 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$39.52 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$55.57 | |
| Interest on Oper. Capital \$55.57 @ 8.3% for 8 Months | | | | | 3.07 | |
| Unpaid Labor 1.37 Hours \$6.00 /hr | | | | | 8.21 | |
| Total Operating Costs | | | | | \$66.85 | |

Projected Returns

Wheat 42 Bu @

Total Returns

Net Return above Operating Costs

B17

Returns Above Operating Costs Budget Worksheet
 Wheat, Clean-Till Fallow
 37 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|--------------------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 2 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 3 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 4 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 5 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 6 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 7 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 8 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.43 D | 0.28 | 1.82 | 2.53 | |
| 9 | Spray | Custom | | | | | | | |
| 10 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 11 | Truck | Custom | | | | | | | |
| 12 | Auger | 2500 Bu/hr | 0.01 | 0.01 | 0.05 D | 0.04 | 0.01 | 0.10 | |
| Subtotal | | | 1.33 Hrs | | 6.15 | 6.00 | 3.92 | \$16.07 | |
| Diesel | | 8.64 Gal @ \$0.65 \$5.62 | | | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 8 60 lb | 0.17 | 10.20 | \$10.20 | |
| Fertilizer | Anhy N | 5 40 lb. N | 0.12 | 4.80 | 4.80 | |
| | 10-34-0 | 8 8 gal | 1.22 | 9.76 | 9.76 | |
| Chemicals | 2,4-D Amine | 9 0.5 pt | 1.34 | 0.67 | 0.67 | |
| | Ally | 9 0.1 oz | 28.46 | 2.85 | 2.85 | |
| Custom | Spray | 9 1 ac | 3.50 | 3.50 | 3.50 | |
| | Truck | 11 37 bu | 0.12 | 4.44 | 4.44 | |
| Rental | Anhy Applic | 5 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$37.72 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$53.79 | |
| Interest on Oper. Capital \$53.79 @ 8.3% for 8 Months | | | | | 2.98 | |
| Unpaid Labor 1.33 Hours \$6.00 /hr | | | | | 7.99 | |
| Total Operating Costs | | | | | \$64.76 | |

Projected Returns
 Wheat 37 Bu @ _____
 Total Returns _____
 Net Return above Operating Costs _____

B18

Returns Above Operating Costs Budget Worksheet
 Continuous Wheat With Chemical Weed Control
 30 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 2 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 3 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.43 D | 0.28 | 1.82 | 2.53 | |
| 4 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 5 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.01 | 0.01 | 0.04 D | 0.03 | 0.01 | 0.08 | |
| Subtotal | | | 0.84 Hrs | | 3.29 | 4.81 | 2.82 | \$10.92 | |

Diesel 4.63 Gal @ \$0.65 \$3.01

| Materials & Services | | Operation # | Units per Acre | | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|-------------|-----------------------------|-------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 3 | 60 | lb | 0.17 | 10.20 | \$10.20 | |
| Fertilizer | 10-34-0 | 3 | 8 | gal | 1.22 | 9.76 | 9.76 | |
| | 28-0-0 | 4 | 45 | lb. N | 0.23 | 10.35 | 10.35 | |
| Chemicals | Landmaster | 1 | 54 | oz | 0.15 | 8.10 | 8.10 | |
| | Roundup | 2 | 1 | pt | 5.77 | 5.77 | 5.77 | |
| | 2,4-D Amine | 4 | 0.5 | pt | 1.34 | 0.67 | 0.67 | |
| | Ally | 4 | 0.1 | oz | 28.46 | 2.85 | 2.85 | |
| Custom | Truck | 6 | 30 | bu | 0.12 | 3.60 | 3.60 | |
| Subtotal | | | | | | | \$51.30 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | | \$62.22 | |
| Interest on Oper. Capital | | | \$62.22 @ 8.3% for 8 Months | | | | 3.44 | |
| Unpaid Labor | | | 0.84 Hours | | \$6.00 /hr | | 5.04 | |
| Total Operating Costs | | | | | | | \$70.70 | |

Projected Returns

Wheat 30 Bu @

Total Returns

Net Return above Operating Costs

B19

Returns Above Operating Costs Budget Worksheet
 Eco-Fallow Wheat Before Corn in Three-Year System
 45 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|-------------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.29 | 1.12 | |
| 2 | Noble | 13.33 Ac/hr | 0.10 | 0.08 | 0.41 D | 0.20 | 0.2 | 0.81 | |
| 3 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 4 | Noble | 13.33 Ac/hr | 0.10 | 0.08 | 0.41 D | 0.20 | 0.2 | 0.81 | |
| 5 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 6 | Weed | 11.63 Ac/hr | 0.11 | 0.09 | 0.47 D | 0.23 | 0.13 | 0.83 | |
| 7 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.43 D | 0.28 | 1.82 | 2.53 | |
| 8 | Spray | Custom | | | | | | | |
| 9 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.07 D | 0.04 | 0.01 | 0.12 | |
| Subtotal | | | 1.16 Hrs | | 5.27 | 5.58 | 3.56 | \$14.41 | |
| Diesel | | | 7.54 Gal @ \$0.65 | | \$4.90 | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 7 60 lb | 0.17 | 10.20 | \$10.20 | |
| Fertilizer | 10-34-0 | 3 8 gal | 1.22 | 9.76 | 9.76 | |
| | Anhy N | 3 50 lb. N | 0.12 | 6.00 | 6.00 | |
| Chemicals | 2,4-D Ester | 8 0.5 pt | 1.69 | 0.85 | 0.84 | |
| | Ally | 8 0.1 oz | 28.46 | 2.85 | 2.85 | |
| Custom | Sprayer | 8 1 ac | 3.50 | 3.50 | 3.50 | |
| | Truck | 10 45 bu | 0.12 | 5.40 | 5.40 | |
| Rental | Anhy Applic | 3 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$40.05 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$54.46 | |
| Interest on Oper. Capital \$54.46 @ 8.3% for 8 Months | | | | | 3.01 | |
| Unpaid Labor 1.16 Hours \$6.00 /hr | | | | | 6.98 | |
| Total Operating Costs | | | | | \$64.45 | |

| | | | | | | |
|----------------------------------|-------|-------|---|--|--|--|
| Projected Returns | | | | | | |
| | Wheat | 45 Bu | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

B20

Returns Above Operating Costs Budget Worksheet
 Corn Following Eco-Fallow Wheat In Three-Year System
 65 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs | | Sub-Total | |
| | | | | | | Power | Impl | | |
| 1 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 2 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 3 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 5 | Combine | 4.04 Ac/hr | 0.30 | 0.25 | 1.68 D | 3.82 | 1.5 | 7.00 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.09 D | 0.06 | 0.02 | 0.17 | |
| Subtotal | | | 0.97 Hrs | | 3.68 | 5.12 | 2.91 | \$11.71 | |

Diesel 5.23 Gal @ \$0.65 \$3.40

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|-----------------------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 | 0.18 bag | 79.23 | 14.26 | \$14.26 | |
| Fertilizer | 28-0-0 | 3 | 75 lb. N | 0.23 | 17.25 | 17.25 | |
| | 10-34-0 | 4 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals | Landmaster | 1 | 54 oz | 0.15 | 8.10 | 8.10 | |
| | Atrazine 4L | 2 | 2 pt | 1.33 | 2.66 | 2.66 | |
| | Cyclone | 2 | 1.5 pt | 3.27 | 4.91 | 4.90 | |
| | Atrazine 4L | 3 | 2 pt | 1.33 | 2.66 | 2.66 | |
| | Banvel | 3 | 0.5 pt | 9.31 | 4.66 | 4.66 | |
| | Bladex 90 DF | 3 | 1.5 lb | 5.31 | 7.97 | 7.97 | |
| Custom | Truck | 6 | 65 bu | 0.12 | 7.80 | 7.80 | |
| Subtotal | | | | | | \$77.58 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$89.29 | |
| Interest on Oper. Capital | | \$89.29 @ 8.3% for 8 Months | | | | 4.94 | |
| Unpaid Labor | | 0.97 Hours \$6.00 /hr | | | | 5.83 | |
| Total Operating Costs | | | | | | \$100.06 | |

Projected Returns

Corn 65 Bu @
 Crop Residue 1 AUM @

Total Returns

Net Return above Operating Costs

B21

Returns Above Operating Costs Budget Worksheet
 Continuous Grain Sorghum
 40 Bu Grain

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 3 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | | 1.18 | |
| 4 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 7 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.69 D | 0.45 | 0.28 | 1.42 | |
| 8 | Spray | Custom | | | | | | | |
| 9 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.06 D | 0.04 | 0.01 | 0.11 | |
| Subtotal | | | 1.51 Hrs | | 6.14 | 6.29 | 3.68 | \$16.11 | |

Diesel 8.57 Gal @ \$0.65 \$5.57

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 5 | 5 lb | 0.87 | 4.35 | \$4.35 | |
| Fertilizer Anhy N | 3 | 50 lb. N | 0.12 | 6.00 | 6.00 | |
| | 5 | 5 gal | 1.22 | 6.10 | 6.10 | |
| Chemicals Bicep | 5 | 0.84 qt | 8.13 | 6.83 | 6.83 | |
| | 8 | 0.5 lb | 9.75 | 4.88 | 4.88 | |
| Custom Aerial Spray | 8 | 1 ac | 4.00 | 4.00 | 4.00 | |
| | 10 | 40 bu | 0.12 | 4.80 | 4.80 | |
| Rental Anhy Applic | 3 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$38.45 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$54.56 | |
| Interest on Oper. Capital \$54.56 @ 8.3% for 8 Months | | | | | 3.02 | |
| Unpaid Labor 1.51 Hours \$6.00 /hr | | | | | 9.07 | |
| Total Operating Costs | | | | | \$66.65 | |

Projected Returns

Grain 40 Bu @
 Crop Residue 1 AUM @

Total Returns

Net Return above Operating Costs

B22

Returns Above Operating Costs Budget Worksheet
 Cont. Grain Sorghum No Till, ff Eco Corn or Sorg
 70 Bu Grain

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 2 | Spray | 9.45 Ac/hr | 0.13 | 0.11 | 0.39 D | 0.25 | 0.07 | 0.71 | |
| 3 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 4 | Spray | Custom | | | | | | | |
| 5 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 0.78 | 6.18 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.10 D | 0.07 | 0.02 | 0.19 | |
| Subtotal | | | 0.83 Hrs | | 3.27 | 4.81 | 2.12 | \$10.20 | |

Diesel 4.57 Gal @ \$0.65 \$2.97

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Sorghum | 3 | 4 lb | 1.07 | 4.28 | \$4.28 | |
| Fertilizer | 28-0-0 | 2 | 80 lb. N | 0.23 | 18.40 | 18.40 | |
| | 10-34-0 | 3 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals | Bladex 4L | 1 | 2 qt | 5.98 | 11.96 | 11.96 | |
| | Atrazine 4L | 2 | 2 pt | 1.33 | 2.66 | 2.66 | |
| | Banvel | 2 | 0.5 pt | 9.31 | 4.66 | 4.66 | |
| | Dual | 2 | 1.75 pt | 7.95 | 13.91 | 13.91 | |
| | Parathion 4E | 4 | 0.5 lb | 9.75 | 4.88 | 4.88 | |
| Custom | Aerial Spray | 4 | 1 ac | 4.00 | 4.00 | 4.00 | |
| | Truck | 6 | 70 bu | 0.12 | 8.40 | 8.40 | |
| Subtotal | | | | | | \$80.46 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$90.66 | |
| Interest on Oper. Capital \$90.66 @ 8.3% for 8 Months | | | | | | 5.02 | |
| Unpaid Labor 0.83 Hours \$6.00 /hr | | | | | | 4.97 | |
| Total Operating Costs | | | | | | \$100.65 | |

Projected Returns

Grain 70 Bu @
 Crop Residue 1 AUM @

Total Returns

Net Return above Operating Costs

B23

Returns Above Operating Costs Budget Worksheet
Cane Hay

3 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.22 | 0.48 | 1.15 | |
| 3 | Field Cult | 9.1 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.29 | 0.19 | 1.09 | |
| 4 | Apply Anhy | Rent | | | | | | | |
| 5 | Drill | 8.44 Ac/hr | 0.14 | 0.12 | 0.43 D | 0.28 | 1.82 | 2.53 | |
| 6 | Windrow | Custom | | | | | | | |
| 7 | Bale | 3.96 Ton/hr | 0.91 | 0.76 | 2.76 D | 1.81 | 2.56 | 7.13 | |
| 8 | Move Bales | Custom | | | | | | | |
| Subtotal | | | 1.38 Hrs | | 4.70 | 2.82 | 5.53 | \$13.05 | |
| Diesel | | 6.57 Gal @ \$0.65 | | \$4.27 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Cane Hay | 5 | 20 lb | 0.47 | 9.40 | \$9.40 | |
| Fertilizer Anhy N | 4 | 40 lb. N | 0.12 | 4.80 | 4.80 | |
| Custom Windrow | 6 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Move Bales | 8 | 6 bale | 1.00 | 6.00 | 6.00 | |
| Rental Anhy Applic | 4 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Other Twine | 7 | 6 bales | 0.40 | 2.40 | 2.40 | |
| Subtotal | | | | | \$31.60 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$44.65 | |
| Interest on Oper. Capital \$44.65 @ 8.3% for 8 Months | | | | | 2.47 | |
| Unpaid Labor 1.38 Hours \$6.00 /hr | | | | | 8.28 | |
| Total Operating Costs | | | | | \$55.40 | |
| Projected Returns | | | | | | |
| Hay | | | 3 Ton | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

DESCRIPTION OF THE CROP BUDGETS FOR NORTHERN NEBRASKA

Cultivated crops are generally not grown in the Sandhills area without irrigation. Irrigation is primarily by center-pivot irrigation. Native hay is produced on either sub-irrigated meadows or upland sites. Some non-irrigated crops are grown on the edges of the Sandhills. Budgets for adjacent areas may be used for those interested in the non-irrigated crops.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost worksheets.

| 1994 Machinery List -- Northern Nebraska | | | | | | |
|--|---------------------------------------|--------|------------|----------------|----------|-----------|
| NO | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 2 | Diesel Pivot 206' head | 71,900 | 900 hr | 17 | 0 | 1.49/hr |
| 15 | Tractor 100 hp diesel cab | 47,800 | 500 hr | 10 | 14,120 | 2.39/hr |
| 16 | Tractor 120 hp diesel cab | 61,289 | 200 hr | 10 | 18,103 | 1.23/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| 94 | Swather/Conditioner 14' self prop | 45,463 | 150 hr | 10 | 8,575 | 15.08/hr |
| Implements | | | | | | |
| 31 | Tandem Disc 28' | 21,979 | 1,100 ac | 15 | 2,111 | .48/ac |
| 56 | Planter 6 row x 30" | 15,640 | 500 ac | 7 | 3,990 | 1.18/ac |
| 67 | Planter 6 row x 36" | 14,437 | 400 ac | 10 | 2,553 | .86/ac |
| 78 | Sprayer 2-200 gallon 28' saddle tanks | 3,200 | 1,787 ac | 12 | 413 | .10/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 96 | Mower 2x9' tandem 18' | 15,000 | 1,450 ac | 12 | 2,216 | 1.28/ac |
| 97 | Side Delivery Rake 19' | 7,400 | 1,383 ac | 12 | 1,093 | .38/ac |
| 99 | Forage Harvester 3 row | 27,642 | 150 ac | 10 | 4,562 | 1.58/ac |
| 101 | Large Round Baler | 19,182 | 400 ton | 10 | 3,166 | .49/tnn |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 150 bu000 | 20 | 178 | .21/bu000 |

1994 Operations List* Northern Nebraska

| NO Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| All Irrig. | 2 | | 4.00 Gal Diesel | 10% |
| Apply Anhy | 16 | Rent | 6.10 Gal Diesel | 10% |
| Auger | 15 | 111 | 5.10 Gal Diesel | 10% |
| Bale | 15 | 101 | 5.10 Gal Diesel | 10% |
| Chop | 16 | 99 | 6.10 Gal Diesel | 10% |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Disc | 16 | 31 | 6.10 Gal Diesel | 10% |
| Drill | 15 | Rent | 5.10 Gal Diesel | 10% |
| Dry | Custom | | | |
| Move Bales | Custom | | | |
| Mow | 15 | 96 | 5.10 Gal Diesel | 10% |
| Pack | 16 | | 6.10 Gal Diesel | 10% |
| Plant | 15 | 66 | 5.10 Gal Diesel | 10% |
| Rake | 15 | 97 | 5.10 Gal Diesel | 10% |
| Spray w/Disc | | 78 | | |
| Spread Fert. | Custom | | | |
| Truck | Custom | | | |
| Windrow | 94 | | 3.80 Gal Diesel | 10% |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, Northern Nebraska 1994

| Budget | B25 | B26 | B27 | B28 | B29 | B30 | B31 | B32 |
|------------------|----------|----------|---------|----------|----------|----------|---------|---------|
| Crop | Corn | Corn | Alfalfa | Alfalfa | Grass | Grass | Native | Native |
| Description | Grain | Silage | Hay | Hay | Hay | Pasture | Hay | Hay |
| | Pivot | Pivot | Pivot | Pivot | Pivot | Pivot | Subirr | Upland |
| | Cont. | Cont. | Estab | | Estab | | | |
| | | | | | Fall | | | |
| Yield | 130.0 Bu | 18.0 Ton | | 5.0 Ton | | 10.0 AUM | 1.3 Ton | 0.7 Ton |
| Mgt Fee/unit | \$0.10 | \$0.70 | | \$2.50 | | \$2.00 | \$1.00 | \$2.00 |
| Land Invest. | \$690 | \$690 | \$690 | \$690 | \$690 | \$690 | \$300 | \$135 |
| Unimp. | 397 | 397 | 397 | 397 | 397 | 397 | 300 | 135 |
| Irrig | 293 | 293 | 293 | 293 | 293 | 293 | | |
| Mach Invest | \$212.62 | \$196.13 | \$37.62 | \$290.51 | \$37.62 | | \$86.59 | \$55.25 |
| Op Cost/ac | \$187.84 | \$227.25 | \$86.39 | \$101.46 | \$128.17 | \$93.80 | \$12.02 | \$8.38 |
| Overhead | \$9.39 | \$11.36 | \$4.32 | \$5.07 | \$6.41 | \$4.69 | \$0.60 | \$0.42 |
| Unpaid Mgt | \$13.00 | \$12.60 | | \$12.50 | | \$20.00 | \$1.30 | \$1.40 |
| RE Taxes | \$6.00 | \$6.00 | | \$6.00 | | \$6.00 | \$5.00 | \$2.00 |
| Land Interest | 23.03 | 23.03 | | 23.03 | | 23.03 | 17.40 | 7.83 |
| Irrig Interest | 20.22 | 20.22 | | 20.22 | | 20.22 | | |
| Irrig Deprec | 32.00 | 32.00 | | 32.00 | | 32.00 | | |
| Land Subtotal | \$81.24 | \$81.24 | | \$81.24 | | \$81.24 | \$22.40 | \$9.83 |
| Mach. Interest | \$14.67 | \$13.53 | \$2.60 | \$20.05 | \$2.60 | | \$5.97 | \$3.81 |
| Mach. Deprec | 26.87 | 22.57 | 4.10 | 39.35 | 4.10 | | 11.65 | 6.82 |
| Mach. Subtotal | \$41.54 | \$36.10 | \$6.70 | \$59.40 | \$6.70 | | \$17.62 | \$10.63 |
| Total Owner Cost | \$122.78 | \$117.35 | \$6.70 | \$140.64 | \$6.70 | \$81.24 | \$40.02 | \$20.46 |
| Estab Costs | | | | \$19.48 | | \$28.25 | | |
| Total Cost/ac | \$333.02 | \$368.56 | \$97.41 | \$279.15 | \$141.27 | \$227.99 | \$53.95 | \$30.66 |
| Total Cost/unit | \$2.56 | \$20.48 | | \$55.83 | | \$22.80 | \$41.50 | \$43.80 |

B25 Returns Above Operating Costs Budget Worksheet
 Cont. Corn Grain Center Pivot Irrig., Diesel, 206' Head
 15 Acre-inches 130 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.63 D | 0.18 | 0.81 | | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.36 D | 0.10 | 0.48 | 0.94 | |
| 3 | Spray w/Disc | 12.14 Ac/hr | | 0.08 | | | 0.1 | 0.10 | |
| 4 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.36 D | 0.10 | 0.48 | 0.94 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 6 | All Irrig. | 800 GPM | 0.51 | 8.42 | 24.07 D | 12.54 | | 36.61 | |
| 7 | Combine | 4.12 Ac/hr | 0.29 | 0.24 | 1.65 D | 3.75 | 1.5 | 6.90 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.19 D | 0.12 | 0.03 | 0.34 | |
| 10 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.47 Hrs | | 28.00 | 17.28 | 3.77 | \$49.05 | |

Diesel 39.13 Gal @ \$0.65 \$25.43

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 5 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy N | 1 120 lb. N | 0.12 | 14.40 | 14.40 | |
| | 10-34-0 | 5 6 gal | 1.22 | 7.32 | 7.32 | |
| | 28-0-0 | 5 30 lb. N | 0.23 | 6.90 | 6.90 | |
| | Zinc sulfate | 5 4 gal | 2.54 | 10.16 | 10.16 | |
| Chemicals | Bullet | 3 3 qt | 4.93 | 14.79 | 14.79 | |
| | Lorsban 15G | 3 6.5 lb | 1.66 | 10.79 | 10.79 | |
| Custom | Truck | 8 130 bu | 0.12 | 15.60 | 15.60 | |
| | Dryer | 10 130 bu | 0.10 | 13.00 | 13.00 | |
| Rental | Anhy Applic | 1 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$120.61 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$169.66 | |
| Interest on Oper. Capital \$169.66 @ 8.3% for 8 Months | | | | | 9.39 | |
| Unpaid Labor 1.47 Hours \$6.00 /hr | | | | | 8.79 | |
| Total Operating Costs | | | | | \$187.84 | |

Projected Returns

| | | | |
|----------------------------------|--------|---|--|
| Corn | 130 Bu | @ | |
| Crop Residue | 2 AUM | @ | |
| Total Returns | | | |
| Net Return above Operating Costs | | | |

B26

Returns Above Operating Costs Budget Worksheet
 Cont. Corn Silage Center Pivot Irrig., Diesel, 206' Head
 15 Acre-inches 18 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|--------------------|--------------|---------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Apply Anhy | 6.87 Ac/hr | 0.18 | 0.15 | 0.63 D | 0.18 | 0.81 | | |
| 2 | Disc | 12.15 Ac/hr | 0.10 | 0.08 | 0.36 D | 0.10 | 0.48 | 0.94 | |
| 3 | Spray w/Disc | 12.15 Ac/hr | | 0.08 | | | 0.1 | 0.10 | |
| 4 | Disc | 12.15 Ac/hr | 0.10 | 0.08 | 0.36 D | 0.10 | 0.48 | 0.94 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.74 D | 0.49 | 1.18 | 2.41 | |
| 6 | All Irrig. | 800 GPM | 0.51 | 8.42 | 24.07 D | 12.54 | | 36.61 | |
| 7 | Chop | Custom | | | | | | | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Pack | 2.5 Ac/hr | 0.48 | 0.40 | 1.74 D | 0.49 | | 2.23 | |
| Subtotal | | | 1.60 Hrs | | 27.90 | 13.90 | 2.24 | \$44.04 | |
| Diesel | | 39.03 Gal @ \$0.65 | | \$25.37 | | | | | |

| Materials & Services | Opera-tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 5 | 0.33 bag | 79.23 | 26.15 | \$26.15 |
| Fertilizer | Anhy N | 1 | 120 lb. N | 0.12 | 14.40 | 14.40 |
| | 10-34-0 | 5 | 6 gal | 1.22 | 7.32 | 7.32 |
| | 28-0-0 | 5 | 30 lb. N | 0.23 | 6.90 | 6.90 |
| | Zinc sulfate | 5 | 4 gal | 2.54 | 10.16 | 10.16 |
| Chemicals | Bullet | 3 | 3 qt | 4.93 | 14.79 | 14.79 |
| Custom | Forage Chopper | 7 | 18 ton | 2.50 | 45.00 | 45.00 |
| | Truck | 8 | 18 ton | 2.00 | 36.00 | 36.00 |
| Rental | Anhy Applic | 1 | 1 ac | 1.50 | 1.50 | 1.50 |
| Subtotal | | | | | \$162.22 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$206.26 | |
| Interest on Oper. Capital \$206.26 @ 8.3% for 8 Months | | | | | 11.41 | |
| Unpaid Labor 1.60 Hours \$6.00 /hr | | | | | 9.58 | |
| Total Operating Costs | | | | | \$227.25 | |

Projected Returns

Silage 18 Ton @

Total Returns

Net Return above Operating Costs

B27

Returns Above Operating Costs Budget Worksheet
 Estab Alfalfa In Stubble, Pivot Irrig, Diesel, 206' Head
 4 Acre-inches

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.36 D | 0.10 | 0.48 | 0.94 | |
| 3 | Drill | 6 Ac/hr | 0.20 | 0.17 | 0.61 D | 0.40 | | 1.01 | |
| 4 | All Irrig. | 800 GPM | 0.13 | 2.24 | 6.42 D | 3.34 | | 9.76 | |
| Subtotal | | | 0.43 Hrs | | 7.39 | 3.84 | 0.48 | \$11.71 | |

Diesel 10.32 Gal @ \$0.65 \$6.70

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|---------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 3 | 12 lb | 3.44 | 41.28 | \$41.28 | |
| Fertilizer | 0-46-0 | 1 | 60 lb.P20 | 0.19 | 11.40 | 11.40 | |
| | Ammon Sulfate | 1 | 80 lb | 0.10 | 8.00 | 8.00 | |
| Custom | Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 | |
| Rental | Grain Drill | 3 | 1 ac | 3.75 | 3.75 | 3.75 | |
| Subtotal | | | | | | \$67.68 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$79.39 | |
| Interest on Oper. Capital | | | \$79.39 @ 8.3% for 8 Months | | | 4.39 | |
| Unpaid Labor | | | 0.43 Hours \$6.00 /hr | | | 2.61 | |
| Total Operating Costs | | | | | | \$86.39 | |

B28

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Center Pivot Irrig., Diesel, 206' Head
 18 Acre-inches 5 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|-------|---------------|---------------|-------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Windrow | 5.07 Ac/hr | 0.24 | 0.20 | 0.54 | D 2.97 | 3.51 | | |
| 3 | Bale | 7 Ton/hr | 0.29 | 0.24 | 0.86 | D 0.56 0.82 | 2.24 | | |
| 4 | Windrow | 5.07 Ac/hr | 0.24 | 0.20 | 0.54 | D 2.97 | 3.51 | | |
| 5 | Bale | 7 Ton/hr | 0.29 | 0.24 | 0.86 | D 0.56 0.82 | 2.24 | | |
| 6 | Windrow | 5.07 Ac/hr | 0.24 | 0.20 | 0.54 | D 2.97 | 3.51 | | |
| 7 | Bale | 7 Ton/hr | 0.29 | 0.24 | 0.89 | D 0.58 0.82 | 2.29 | | |
| 8 | All Irrig. | 800 GPM | 0.61 | 10.10 | 28.88 | D15.05 | 43.93 | | |
| 9 | Move Bales | Custom | | | | | | | |

Subtotal 2.19 Hrs 33.11 25.66 2.46 \$61.23

Diesel 46.35 Gal @ \$0.65 \$30.13

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 18-46-0 | 1 | 40 lb | 0.11 | 4.40 | \$4.40 | |
| Potass Mag | 1 | 9 lb | 0.09 | 0.81 | 0.81 | |
| Custom Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 | |
| Move Bales | 9 | 10 bale | 1.00 | 10.00 | 10.00 | |
| Other Twine | 3 | 4 bales | 0.40 | 1.60 | 1.60 | |
| Twine | 5 | 3 bales | 0.40 | 1.20 | 1.20 | |
| Twine | 7 | 3 bales | 0.40 | 1.20 | 1.20 | |
| Subtotal | | | | | \$22.46 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$83.69 | |
| Interest on Oper. Capital | | \$83.69 @ 8.3% | | for 8 Months | 4.63 | |
| Unpaid Labor | | 2.19 Hours | \$6.00 /hr | | 13.14 | |
| Total Operating Costs | | | | | \$101.46 | |

Projected Returns
 Hay 5 Ton @
 Crop Residue 1 AUM @
 Total Returns
 Net Return above Operating Costs

B29

Returns Above Operating Costs Budget Worksheet
 Establish Grass, Fall, Pivot Irrig., Diesel, 206' Head
 4 Acre-inches

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|--------------|----------------|--------------------|--------|---------------|---------------|-----------|---------------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Disc | 12.14 Ac/hr | 0.10 | 0.08 | 0.36 | D 0.10 | 0.48 | 0.94 | |
| 3 | Drill | 6 Ac/hr | 0.20 | 0.17 | 0.61 | D 0.40 | | 1.01 | |
| 4 | All Irrig. | 800 GPM | 0.13 | 2.24 | 6.42 | D 3.34 | | 9.76 | |
| Subtotal | | | 0.43 Hrs | | 7.39 | 3.84 | 0.48 | \$11.71 | |
| Diesel | | | 10.32 Gal @ \$0.65 | | \$6.70 | | | | |
| Materials & Services | | Opera- tion # | Units per Acre | | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | |
| Seed | Grass | 3 | 17 | lb | 4.00 | 68.00 | \$68.00 | | |
| Fertilizer | 0-46-0 | 1 | 50 | lb.P20 | 0.19 | 9.50 | 9.50 | | |
| | 10-34-0 | 1 | 18 | gal | 1.22 | 21.96 | 21.96 | | |
| | Potass Mag | 1 | 9 | lb | 0.09 | 0.81 | 0.81 | | |
| Custom | Spread Fert. | 1 | 1 | ac | 3.25 | 3.25 | 3.25 | | |
| Rental | Grain Drill | 3 | 1 | ac | 3.75 | 3.75 | 3.75 | | |
| Subtotal | | | | | | | \$107.27 | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | | \$118.98 | | |
| Interest on Oper. Capital | | | \$118.98 @ 8.3% | | for 8 Months | | 6.58 | | |
| Unpaid Labor | | | 0.43 Hours | | \$6.00 /hr | | 2.61 | | |
| Total Operating Costs | | | | | | | \$128.17 | | |

B30

Returns Above Operating Costs Budget Worksheet
 Pasture, Center Pivot Irrig., Diesel, 206' Head
 18 Acre-inches 10 AUM Pasture

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Your Estimate |
|-------------|-------------|--------------------|--------------|-------|---------------|--------------------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | Sub-Total | |
| 1 | All Irrig. | 800 GPM | 0.61 | 10.10 | 28.88 | D15.05 | 43.93 | |
| Subtotal | | | 0.61 Hrs | | 28.88 | 15.05 | \$43.93 | |
| Diesel | | 40.40 Gal @ \$0.65 | \$26.26 | | | | | |

| Materials & Services | Opera-tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|-----------------------------|---------------|---------------|-----------|---------------|
| Fertilizer 28-0-0 | 1 | 175 lb. N | 0.23 | 40.25 | \$40.25 | |
| Other Fencing | 2 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Rotate Cattle | 3 | 1 ac | 0.25 | 0.25 | 0.25 | |
| Subtotal | | | | | \$41.50 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$85.43 | |
| Interest on Oper. Capital | | \$85.43 @ 8.3% for 8 Months | | | 4.73 | |
| Unpaid Labor | | 0.61 Hours @ \$6.00 /hr | | | 3.64 | |
| Total Operating Costs | | | | | \$93.80 | |

| | | | | | | |
|----------------------------------|--|--------|---|--|--|--|
| Projected Returns | | | | | | |
| Pasture | | 10 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

B31

Returns Above Operating Costs Budget Worksheet
 Native Subirrigated Meadow Hay
 1.3 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|-------------|----------------|-------------------|------|---------------|--------------------|-----------|---------------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Windrow | 5.07 Ac/hr | 0.24 | 0.20 | 0.54 D | 2.97 | 3.51 | | |
| 2 | Bale | 5.46 Ton/hr | 0.29 | 0.24 | 0.87 D | 0.57 0.64 | 2.08 | | |
| 3 | Move Bales | Custom | | | | | | | |
| Subtotal | | | 0.53 Hrs | | 1.41 | 3.54 0.64 | \$5.59 | | |
| Diesel | | | 1.98 Gal @ \$0.65 | | \$1.29 | | | | |
| Materials & Services | | Opera- tion # | Units per Acre | | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | |
| Custom | Move Bale | 3 | 2 bale | | 1.00 | 2.00 | \$2.00 | | |
| Other | Twine | 2 | 2 bales | | 0.40 | 0.80 | 0.80 | | |
| Subtotal | | | | | | | \$2.80 | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | | \$8.39 | | |
| Interest on Oper. Capital | | | \$8.39 @ 8.3% | | for 8 Months | | 0.46 | | |
| Unpaid Labor | | | 0.53 Hours | | \$6.00 /hr | | 3.17 | | |
| Total Operating Costs | | | | | | | \$12.02 | | |
| Projected Returns | | | | | | | | | |
| Hay | | | 1.3 Ton | | | | @ | | |
| Crop Residue | | | 1 AUM | | | | @ | | |
| Total Returns | | | | | | | | | |
| Net Return above Operating Costs | | | | | | | | | |

B32

Returns Above Operating Costs Budget Worksheet
 Native Upland Hay In Big Bale
 0.7 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|-------------|-------------------|----------------|---------------|---------------|--------------------|---------------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Mow | 7.6 Ac/hr | 0.16 | 0.13 | 0.48 D | 0.31 | 1.28 | 2.07 | |
| 2 | Rake | 9.89 Ac/hr | 0.12 | 0.10 | 0.37 D | 0.24 | 0.38 | 0.99 | |
| 3 | Bale | 3.53 Ton/hr | 0.24 | 0.20 | 0.72 D | 0.47 | 0.35 | 1.54 | |
| Subtotal | | | 0.52 Hrs | | 1.57 | 1.02 | 2.01 | \$4.60 | |
| Diesel | | 2.19 Gal @ \$0.65 | | \$1.43 | | | | | |
| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | | |
| Other Twine | | 3 | 1 bales | 0.40 | 0.40 | \$0.40 | | | |
| Subtotal | | | | | | \$0.40 | | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$5.00 | | | |
| Interest on Oper. Capital | | \$5.00 @ 8.3% | | for 8 Months | | 0.28 | | | |
| Unpaid Labor | | 0.52 Hours | | \$6.00 /hr | | 3.10 | | | |
| Total Operating Costs | | | | | | \$8.38 | | | |
| Projected Returns | | | | | | | | | |
| Hay | | 0.7 Ton | | @ | | | | | |
| Total Returns | | | | | | | | | |
| Net Return above Operating Costs | | | | | | | | | |

DESCRIPTION OF THE CROP BUDGETS FOR CENTRAL NEBRASKA

Crop budgets have been prepared that are typical to irrigated and dryland farms of central Nebraska. Not all of these crops are necessarily raised on any one farm in the area.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost worksheets.

| SC 1994 Machinery List -- South Central Nebraska | | | | | | |
|--|-------------------------------------|--------|------------|----------------|----------|-------------|
| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 4 | Diesel Pivot 281' head | 80,600 | 900 hr | 17 | 0 | 1.66/hr |
| 10 | Diesel Gated 148' head | 65,600 | 900 hr | 22 | 0 | 1.08/hr |
| 13 | Tractor 40 hp diesel | 18,200 | 500 hr | 20 | 2,335 | 1.82/hr |
| 15 | Tractor 100 hp diesel cab | 47,800 | 500 hr | 10 | 14,120 | 2.39/hr |
| 16 | Tractor 120 hp diesel cab | 61,289 | 200 hr | 10 | 18,103 | 1.23/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 400 hr | 10 | 19,370 | 2.62/hr |
| 84 | Combine 185 hp | 90,000 | 330 hr | 10 | 16,977 | 26.77/hr |
| Implements | | | | | | |
| 26 | Chisel 30' | 14,730 | 2,316 ac | 12 | 2,041 | .42/ac |
| 30 | Tandem Disc 20' | 14,485 | 900 ac | 15 | 1,390 | .49/ac |
| 37 | Field Cultivator 30' | 12,949 | 1,200 ac | 8 | 2,923 | .19/ac |
| 38 | Row Crop Cultivator 6 row x 30" | 3,803 | 800 ac | 10 | 672 | .28/ac |
| 53 | Spike Tooth Harrow 24' | 1,172 | 150 ac | 20 | 61 | .01/ac |
| 58 | Grain Drill 16' hoe 2x8 10" spacing | 8,508 | 540 ac | 12 | 1,178 | 1.03/ac |
| 66 | Planter 6 row x 30" | 15,640 | 500 ac | 7 | 3,990 | 1.18/ac |
| 73 | Anhydrous Applicator 21' | 8,141 | 500 ac | 10 | 1,439 | .22/ac |
| 75 | Sprayer 500 gallon 40' pull-type | 4,780 | 450 ac | 20 | 232 | .07/ac |
| 87 | 6 row corn head | 33,562 | 500 ac | 10 | 6,331 | .95/ac |
| 89 | 15' grain head | 17,251 | 540 ac | 10 | 3,255 | .53/ac |
| 103 | Bale Wagon & Stacker 144 bales/loan | 22,150 | 200 ac | 15 | 2,127 | 3.53/ac |
| 108 | Shredder 6 row x 30" | 8,130 | 950 ac | 12 | 1,202 | .43/ac |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 90 bu000 | 20 | 178 | .13/bu000 |
| 113 | Grain Cart 450 bushel | 9,600 | 90 bu000 | 12 | 1,418 | 10.70/bu000 |

1994 Operations List* South Central Nebraska

| SC Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| Anhy Apply | 17 | 73 | 7.70 Gal Diesel | 10% |
| Auger | 13 | 111 | 2.00 Gal Diesel | 10% |
| Bale | Custom | | | |
| Cart | 17 | 113 | 7.70 Gal Diesel | 10% |
| Chisel | 17 | 26 | 7.70 Gal Diesel | 10% |
| Chop | Custom | | | |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 89 | 9.50 Gal Diesel | 10% |
| Disc w/Harrow | 17 | 30 | 7.70 Gal Diesel | 10% |
| Drill | 16 | 58 | 6.10 Gal Diesel | 10% |
| Dry | Custom | | | |
| Field Cult | 17 | 37 | 7.70 Gal Diesel | 10% |
| Harrow | 15 | 53 | 5.10 Gal Diesel | 10% |
| Haul & Stack | 15 | 103 | 5.10 Gal Diesel | 10% |
| Irrig. | 4 | | 5.20 Gal Diesel | 10% |
| Irrig. | 10 | | 3.35 Gal Diesel | 10% |
| Pack silage | 17 | | 7.70 Gal Diesel | 10% |
| Plant | 16 | 66 | 6.10 Gal Diesel | 10% |
| Rouge | Labor | | | |
| Row Crop Cult | 17 | 38 | 7.70 Gal Diesel | 10% |
| Seeder-Packer | 15 | Rent | 5.10 Gal Diesel | 10% |
| Shred | 17 | 108 | 7.70 Gal Diesel | 10% |
| Spray | 15 | 75 | 5.10 Gal Diesel | 10% |
| Spray | Custom | | | |
| Spread, Fert. | 15 | Rent | 5.10 Gal Diesel | 10% |
| Stack Bales | Labor | | | |
| Truck | Custom | | | |
| Truck Silage | Custom | | | |
| Windrow | Custom | | | |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, South Central Nebraska 1994

| Budget | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 |
|------------------|----------|----------|----------|----------|----------|----------|---------|----------|----------|-----------|----------|
| Crop | Corn | Corn | Sorghum | Corn | Corn | Soybeans | Alfalfa | Alfalfa | Corn | Corn | Corn |
| Description | Grain | Silage | Grain | Grain | Silage | Irrig | Estab | Hay | Grain | Grain | Silage |
| | Pivot | Pivot | Pivot | Gravity | Gravity | Gravity | Irrig | Gravity | Dryland | EcoFallow | Dryland |
| | Irrig | Irrig | Irrig | Irrig | Irrig | Irrig | | Irrig | | | |
| Yield | 135.0 Bu | 20.0 Ton | 115.0 Bu | 145.0 Bu | 20.0 Ton | 47.0 Bu | | 7.0 Ton | 65.0 Bu. | 80.0 Bu. | 9.0 Ton |
| Mgt Fee/unit | \$0.10 | \$0.60 | \$0.10 | \$0.10 | \$0.60 | \$0.30 | | \$2.00 | \$0.10 | \$0.10 | \$0.60 |
| Land Invest. | \$1,000 | \$1,000 | \$1,000 | \$1,200 | \$1,200 | \$1,200 | \$1,200 | \$1,200 | \$600 | \$600 | \$600 |
| Unimp. | 672 | 672 | 672 | 841 | 841 | 841 | 841 | 841 | 600 | 600 | 600 |
| Irrig | 328 | 328 | 328 | 359 | 359 | 359 | 359 | 359 | | | |
| Mach Invest | \$293.47 | \$229.20 | \$231.14 | \$298.70 | \$229.20 | \$204.34 | \$70.45 | \$348.92 | \$246.19 | \$174.05 | \$206.75 |
| Op Cost/ac | \$184.80 | \$247.86 | \$119.61 | \$189.49 | \$245.98 | \$89.37 | \$83.36 | \$230.06 | \$79.46 | \$88.02 | \$107.06 |
| Overhead | \$9.24 | \$12.39 | \$5.98 | \$9.47 | \$12.30 | \$4.47 | \$4.17 | \$11.50 | \$3.97 | \$4.40 | \$5.35 |
| Unpaid Mgt | \$13.50 | \$12.00 | \$11.50 | \$14.50 | \$12.00 | \$14.10 | | \$14.00 | \$6.50 | \$8.00 | \$5.40 |
| RE Taxes | \$20.00 | \$20.00 | \$20.00 | \$24.00 | \$24.00 | \$24.00 | | \$24.00 | \$12.00 | \$18.00 | \$12.00 |
| Land Interest | 38.98 | 38.98 | 38.98 | 48.78 | 48.78 | 48.78 | | 48.78 | 34.80 | 52.20 | 34.80 |
| Irrig Interest | 22.63 | 22.63 | 22.63 | 24.77 | 24.77 | 24.77 | | 24.77 | | | |
| Irrig Deprec | 36.00 | 36.00 | 36.00 | 31.00 | 31.00 | 31.00 | | 31.00 | | | |
| Land Subtotal | \$117.61 | \$117.61 | \$117.61 | \$128.55 | \$128.55 | \$128.55 | | \$128.55 | \$46.80 | \$70.20 | \$46.80 |
| Mach. Interest | \$20.25 | \$15.81 | \$15.95 | \$20.61 | \$15.81 | \$14.10 | \$4.86 | \$24.08 | \$16.99 | \$12.01 | \$14.27 |
| Mach. Deprec | 36.12 | 26.62 | 28.42 | 36.96 | 26.62 | 25.25 | 7.51 | 38.08 | 30.53 | 22.38 | 24.18 |
| Mach. Subtotal | \$56.37 | \$42.43 | \$44.37 | \$57.57 | \$42.43 | \$39.35 | \$12.37 | \$62.16 | \$47.52 | \$34.39 | \$38.45 |
| Total Owner Cost | \$173.98 | \$160.04 | \$161.98 | \$186.12 | \$170.98 | \$167.90 | \$12.37 | \$190.70 | \$94.32 | \$104.59 | \$85.25 |
| Estab Costs | | | | | | | | \$19.98 | | | |
| Total Cost/ac | \$381.52 | \$432.30 | \$299.07 | \$399.58 | \$441.26 | \$275.84 | \$99.90 | \$466.25 | \$184.25 | \$205.01 | \$203.06 |
| Total Cost/unit | \$2.83 | \$21.61 | \$2.60 | \$2.76 | \$22.06 | \$5.87 | | \$66.61 | \$2.83 | \$2.56 | \$22.56 |

Budgeted Production Costs Summary, South Central Nebraska 1994 (con't)

| Budget Crop Description | C13 Sorghum Grain Dryland | C14 Sorghum Grain EcoFallow | C15 Sorghum Grain Dryland No-till | C16 Soybeans Dryland | C17 Wheat | C18 Wheat No-till | C19 Wheat Fallow Every 3 yr | C20 Alfalfa Estab Dryland | C21 Alfalfa Hay Dryland | C22 Set Aside |
|-------------------------------|------------------------------------|--------------------------------------|---|----------------------------|--------------|-------------------------|---|------------------------------------|----------------------------------|---------------------|
| Yield | 70.0 Bu. | 85.0 Bu. | 85.0 Bu. | 30.0 Bu. | 39.0 Bu. | 50.0 Bu. | 49.0 Bu. | | 3.5 Ton | |
| Mgt Fee/unit | \$0.10 | \$0.10 | \$0.10 | \$0.30 | \$0.15 | \$0.15 | \$0.15 | | \$2.00 | |
| Land Invest. | \$600 | \$600 | \$600 | \$600 | \$600 | \$600 | \$600 | \$600 | \$600 | \$600 |
| Unimp. | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| Irrig | | | | | | | | | | |
| Mach Invest | \$202.54 | \$164.09 | \$117.43 | \$203.79 | \$176.75 | \$108.46 | \$206.82 | \$101.04 | \$18.44 | \$63.90 |
| Op Cost/ac | \$69.10 | \$75.12 | \$88.99 | \$58.12 | \$50.63 | \$55.75 | \$54.42 | \$56.33 | \$78.88 | \$11.73 |
| Overhead | \$3.45 | \$3.76 | \$4.45 | \$2.91 | \$2.53 | \$2.79 | \$2.72 | \$2.82 | \$3.94 | \$0.59 |
| Unpaid Mgt | \$7.00 | \$8.50 | \$8.50 | \$9.00 | \$5.85 | \$7.50 | \$7.35 | | \$7.00 | |
| RE Taxes | \$12.00 | \$18.00 | \$12.00 | \$12.00 | \$12.00 | \$12.00 | \$18.00 | | \$12.00 | \$12.00 |
| Land Interest | 34.80 | 52.20 | 34.80 | 34.80 | 34.80 | 34.80 | 52.20 | | 34.80 | 34.80 |
| Irrig Interest | | | | | | | | | | |
| Irrig Deprec | | | | | | | | | | |
| Land Subtotal | \$46.80 | \$70.20 | \$46.80 | \$46.80 | \$46.80 | \$46.80 | \$70.20 | | \$46.80 | \$46.80 |
| Mach. Interest | \$13.98 | \$11.32 | \$8.10 | \$14.06 | \$12.20 | \$7.48 | \$14.27 | \$6.97 | \$1.27 | \$4.41 |
| Mach. Deprec | 25.13 | 20.63 | 15.46 | 25.20 | 21.30 | 13.18 | 24.95 | 10.96 | 1.83 | 7.20 |
| Mach. Subtotal | \$39.11 | \$31.95 | \$23.56 | \$39.26 | \$33.50 | \$20.66 | \$39.22 | \$17.93 | \$3.10 | \$11.61 |
| Total Owner Cost | \$85.91 | \$102.15 | \$70.36 | \$86.06 | \$80.30 | \$67.46 | \$109.42 | \$17.93 | \$49.90 | \$58.41 |
| Estab Costs | | | | | | | | | \$15.42 | |
| Total Cost/ac | \$165.46 | \$189.53 | \$172.30 | \$156.09 | \$139.31 | \$133.50 | \$173.91 | \$77.08 | \$155.14 | \$70.73 |
| Total Cost/unit | \$2.36 | \$2.23 | \$2.03 | \$5.20 | \$3.57 | \$2.67 | \$3.55 | | \$44.33 | |

C2

Returns Above Operating Costs Budget Worksheet
 Corn Grain.Pivot Irrig, Diesel,281' Head
 12 Acre-inches 135 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|--------------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel& Lube | Repairs Power Impl | | | |
| 1 | Shred | 7.73 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.43 | 1.48 | |
| 2 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 3 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 4 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 7 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 8 | Irrig. | 800 GPM | 0.40 | 6.73 | 25.03 D | 11.18 | | 36.21 | |
| 9 | Spray | Custom | | | | | | | |
| 10 | Combine | 3.5 Ac/hr | 0.35 | 0.29 | 1.94 D | 7.65 | 0.95 | 10.54 | |
| 11 | Cart | 1750 Bu/hr | 0.10 | 0.08 | 0.42 D | 0.20 | 1.5 | 2.12 | |
| 12 | Truck | Custom | | | | | | | |
| 13 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.08 D | 0.10 | 0.02 | 0.20 | |
| 14 | Dry | Custom | | | | | | | |
| Subtotal | | | 2.16 Hrs | | 32.99 | 21.60 | 5.84 | \$60.43 | |
| Diesel | | 46.16 Gal @ \$0.65 | | | | | | \$30.00 | |

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 5 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy. N | 3 145 lb. N | 0.12 | 17.40 | 17.40 | |
| | 18-46-0 | 5 100 lb | 0.11 | 11.00 | 11.00 | |
| Chemicals | Bicep | 5 0.9 qt | 8.13 | 7.32 | 7.32 | |
| | Counter 1/2 | 5 4.356 lb | 1.64 | 7.14 | 7.14 | |
| | Dipel 1/3 | 8 0.6125 pt | 4.06 | 2.49 | 2.49 | |
| | Lorsban 1/10 | 9 0.15 pt | 5.57 | 0.84 | 0.84 | |
| Custom | Aerial spray | 9 0.1 ac | 4.00 | 0.40 | 0.40 | |
| | Truck | 12 135 bu | 0.12 | 16.20 | 16.20 | |
| | Drying | 14 135 bu | 0.10 | 13.50 | 13.50 | |
| Subtotal | | | | | \$102.43 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$162.86 | |
| Interest on Oper. Capital \$162.86 @ 8.3% for 8 Months | | | | | 9.01 | |
| Unpaid Labor 2.16 Hours \$6.00 /hr | | | | | 12.93 | |
| Total Operating Costs | | | | | \$184.80 | |

| | | | | | | |
|----------------------------------|--------------|---------|---|--|--|--|
| Projected Returns | | | | | | |
| | Corn | 135 Bu | @ | | | |
| | Crop Residue | 2.5 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

C3

Returns Above Operating Costs Budget Worksheet
 Corn For Silage.Pivot Irrig, Diesel,281' Head
 12 Acre-inches 20 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|--------------------|--------------|---------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel& Lube | Repairs Power Impl | | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 | D 0.25 | 0.49 | 1.26 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 | D 0.38 | 0.22 | 1.40 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 | D 0.25 | 0.49 | 1.26 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.25 | 1.18 | 2.32 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 | D 0.50 | 0.28 | 1.82 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 | D 0.50 | 0.28 | 1.82 | |
| 7 | Irrig. | 800 GPM | 0.40 | 6.73 | 25.03 | D11.18 | | 36.21 | |
| 8 | Spray | Custom | | | | | | | |
| 9 | Chop | Custom | | | | | | | |
| 10 | Truck Silage | Custom | | | | | | | |
| 11 | Pack silage | 35 Ton/hr | 0.68 | 0.57 | 3.15 | D 1.50 | | 4.65 | |
| Subtotal | | | 2.18 Hrs | | 32.99 | 14.81 | 2.94 | \$50.74 | |
| Diesel | | 46.07 Gal @ \$0.65 | | \$29.95 | | | | | |

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------------|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy. N | 2 | 220 lb. N | 0.12 | 26.40 | 26.40 | |
| | 18-46-0 | 4 | 100 lb | 0.11 | 11.00 | 11.00 | |
| Chemicals | Bicep | 4 | 0.9 qt | 8.13 | 7.32 | 7.32 | |
| | Counter 1/2 | 4 | 4.356 lb | 1.64 | 7.14 | 7.14 | |
| | Dipel 1/3 | 7 | 0.6125 pt | 4.06 | 2.49 | 2.49 | |
| | Lorsban 1/2 | 8 | 0.15 pt | 5.57 | 0.84 | 0.84 | |
| Custom | Aerial spray1/3 | 8 | 0.1 ac | 4.00 | 0.40 | 0.40 | |
| | Chop Silage | 9 | 20 ton | 2.50 | 50.00 | 50.00 | |
| | Truck Silage | 10 | 20 ton | 2.00 | 40.00 | 40.00 | |
| Subtotal | | | | | | \$171.73 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$222.47 | |
| Interest on Oper. Capital \$222.47 @ 8.3% for 8 Months | | | | | | 12.31 | |
| Unpaid Labor 2.18 Hours \$6.00 /hr | | | | | | 13.08 | |
| Total Operating Costs | | | | | | \$247.86 | |

| | | | | | | | |
|----------------------------------|--------|----|-----|---|--|--|--|
| Projected Returns | | | | | | | |
| | Silage | 20 | Ton | @ | | | |
| Total Returns | | | | | | | |
| Net Return above Operating Costs | | | | | | | |

C4 Returns Above Operating Costs Budget Worksheet
 Sorghum Grain, Limited Pivot Irrig, Diesel, 281' Head
 6 Acre-inches 115 Bu Sorghum

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 7 | Irrig. | 800 GPM | 0.20 | 3.37 | 12.51 D | 5.59 | | 18.10 | |
| 8 | Combine | 4 Ac/hr | 0.30 | 0.25 | 1.70 D | 6.69 | 0.53 | 8.92 | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.07 D | 0.08 | 0.02 | 0.17 | |
| 11 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.65 Hrs | | 19.09 | 14.49 | 3.49 | \$37.07 | |

Diesel 26.69 Gal @ \$0.65 \$17.35

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 4 | 10 lb | 0.87 | 8.70 | \$8.70 | |
| Fertilizer Anhy. N | 2 | 120 lb. N | 0.12 | 14.40 | 14.40 | |
| 18-46-0 | 4 | 100 lb | 0.11 | 11.00 | 11.00 | |
| Chemicals Ramrod-Atraz. | 4 | 2 qt | 3.73 | 7.46 | 7.46 | |
| Custom Truck | 9 | 115 bu | 0.12 | 13.80 | 13.80 | |
| Drying | 11 | 115 bu | 0.10 | 11.50 | 11.50 | |
| Subtotal | | | | | \$66.86 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$103.93 | |
| Interest on Oper. Capital \$103.93 @ 8.3% for 8 Months | | | | | 5.75 | |
| Unpaid Labor 1.65 Hours \$6.00 /hr | | | | | 9.93 | |
| Total Operating Costs | | | | | \$119.61 | |

| | | | | | | |
|----------------------------------|---------|---|--|--|--|--|
| Projected Returns | | | | | | |
| Sorghum | 115 Bu | @ | | | | |
| Crop Residue | 2.5 AUM | @ | | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

C5

Returns Above Operating Costs Budget Worksheet
 Corn For Grain.Gravity Irrig.,Diesel,148' Head
 15 Acre-inches 145 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Shred | 7.73 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.43 | 1.48 | |
| 2 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 3 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 4 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 5 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 7 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 8 | Irrig. | 1000 GPM | 1.48 | 6.73 | 16.12 D | 7.27 | | 23.39 | |
| 9 | Spray | Custom | | | | | | | |
| 10 | Spray | Custom | | | | | | | |
| 11 | Combine | 3.5 Ac/hr | 0.35 | 0.29 | 1.94 D | 7.65 | 0.95 | 10.54 | |
| 12 | Cart | 1750 Bu/hr | 0.10 | 0.08 | 0.46 D | 0.22 | 1.5 | 2.18 | |
| 13 | Truck | Custom | | | | | | | |
| 14 | Auger | 2500 Bu/hr | 0.07 | 0.06 | 0.08 D | 0.11 | 0.02 | 0.21 | |
| 15 | Dry | Custom | | | | | | | |
| Subtotal | | | 3.24 Hrs | | 24.12 | 17.72 | 5.84 | \$47.68 | |

Diesel 33.72 Gal @ \$0.65 \$21.92

| Materials & Services | Opera-tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|----------------------|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 5 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy. N | 3 155 lb. N | 0.12 | 18.60 | 18.60 | |
| | 18-46-0 | 5 100 lb | 0.11 | 11.00 | 11.00 | |
| Chemicals | Bicep | 5 0.9 qt | 8.13 | 7.32 | 7.32 | |
| | Counter 1/2 | 5 4.356 lb | 1.64 | 7.14 | 7.14 | |
| | Dipel 1/3 | 9 0.6125 pt | 4.06 | 2.49 | 2.49 | |
| | Lorsban 1/2 | 10 0.15 pt | 5.57 | 0.84 | 0.84 | |
| Custom | Aerial spray | 9 1 ac | 4.00 | 4.00 | 4.00 | |
| | Aerial spray | 10 1 ac | 4.00 | 4.00 | 4.00 | |
| | Truck | 13 145 bu | 0.12 | 17.40 | 17.40 | |
| | Drying | 15 145 bu | 0.10 | 14.50 | 14.50 | |

Subtotal \$113.43
 Total Operating Costs excluding Interest & Unpaid Labor \$161.11
 Interest on Oper. Capital \$161.11 @ 8.3% for 8 Months 8.91
 Unpaid Labor 3.24 Hours \$6.00 /hr 19.47
 Total Operating Costs \$189.49

Projected Returns

Corn 145 Bu @
 Crop Residue 2.5 AUM @

Total Returns

Net Return above Operating Costs

C6 Returns Above Operating Costs Budget Worksheet
 Corn For Silage, Gravity Irrig., Diesel, 148' Head
 15 Acre-inches 20 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|--------------------|--------------|---------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 7 | Irrig. | 1000 GPM | 1.48 | 6.73 | 16.12 D | 7.27 | | 23.39 | |
| 8 | Spray | Custom | | | | | | | |
| 9 | Spray | Custom | | | | | | | |
| 10 | Chop | Custom | | | | | | | |
| 11 | Truck Silage | Custom | | | | | | | |
| 12 | Pack silage | 35 Ton/hr | 0.68 | 0.57 | 3.15 D | 1.50 | | 4.65 | |
| Subtotal | | | 3.26 Hrs | | 24.08 | 10.90 | 2.94 | \$37.92 | |
| Diesel | | 33.62 Gal @ \$0.65 | | \$21.85 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy. N | 2 220 lb. N | 0.12 | 26.40 | 37.40 | |
| | 18-46-0 | 5 100 lb | 0.11 | 11.00 | | |
| Chemicals | Bicep | 5 0.9 qt | 8.13 | 7.32 | 7.32 | |
| | Counter 1/2 | 5 4.356 lb | 1.64 | 7.14 | 7.14 | |
| | Dipel 1/3 | 8 0.6125 pt | 4.06 | 2.49 | 2.49 | |
| | Lorsban 1/2 | 9 0.15 pt | 5.57 | 0.84 | 0.84 | |
| Custom | Aerial spray | 8 0.33 ac | 4.00 | 1.32 | 1.32 | |
| | Aerial spray | 9 1 ac | 4.00 | 4.00 | 4.00 | |
| | Chop Silage | 10 20 ton | 2.50 | 50.00 | 50.00 | |
| | Truck Silage | 11 20 ton | 2.00 | 40.00 | 40.00 | |
| Subtotal | | | | | \$176.65 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$214.57 | |
| Interest on Oper. Capital \$214.57 @ 8.3% for 8 Months | | | | | 11.87 | |
| Unpaid Labor 3.26 Hours \$6.00 /hr | | | | | 19.54 | |
| Total Operating Costs | | | | | \$245.98 | |

Projected Returns
 Silage 20 Ton @
 Total Returns
 Net Return above Operating Costs

C7

Returns Above Operating Costs Budget Worksheet
 Soybeans, Gravity Irrig., Diesel, 148' Head
 9 Acre-inches 47 Bu Beans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 3 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 4 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Irrig. | 1000 GPM | 0.89 | 4.04 | 9.67 D | 4.36 | | 14.03 | |
| 7 | Combine | 4 Ac/hr | 0.30 | 0.25 | 1.70 D | 6.69 | 0.53 | 8.92 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.03 D | 0.03 | 0.01 | 0.07 | |
| Subtotal | | | 2.12 Hrs | | 15.41 | 12.83 | 3.26 | \$31.50 | |

Diesel 21.48 Gal @ \$0.65 \$13.96

| Materials & Services | | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------|-------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed | Soybeans | 3 | 1.2 bag | 14.43 | 17.32 | \$17.32 | |
| Fertilizer | 18-46-0 | 3 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals | Lasso 4EC | 3 | 1 qt | 6.43 | 6.43 | 6.43 | |
| | Sencor 4L | 3 | 0.375 pt | 3.25 | 1.22 | 1.22 | |
| Custom | Truck | 8 | 47 bu | 0.12 | 5.64 | 5.64 | |
| Other | Rouging | 6 | 1 ac | 5.00 | 5.00 | 5.00 | |
| Subtotal | | | | | | \$41.10 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$72.60 | |
| Interest on Oper. Capital | | | \$72.60 @ 8.3% for 8 Months | | | 4.02 | |
| Unpaid Labor | | | 2.12 Hours \$6.00 /hr | | | 12.75 | |
| Total Operating Costs | | | | | | \$89.37 | |
| Projected Returns | | | | | | | |
| Beans | | | 47 Bu | @ | | | |
| Total Returns | | | | | | | |
| Net Return above Operating Costs | | | | | | | |

C8

Returns Above Operating Costs Budget Worksheet
 Establish Alfalfa(5 Yr)Gravity Irrig.,Diesel 148'Head
 6 Acre-inches

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Spread,Fert. | 12 Ac/hr | 0.10 | 0.08 | 0.30 D | 0.20 | | 0.50 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 4 | Harrow | 12.33 Ac/hr | 0.10 | 0.08 | 0.30 D | 0.19 | 0.01 | 0.50 | |
| 5 | Seeder-Packer | 5.62 Ac/hr | 0.22 | 0.18 | 0.65 D | 0.43 | | 1.08 | |
| 6 | Spray | 11.82 Ac/hr | 0.10 | 0.08 | 0.31 D | 0.20 | 0.07 | 0.58 | |
| 7 | Irrig. | 1000 GPM | 0.59 | 2.69 | 6.45 D | 2.91 | | 9.36 | |
| Subtotal | | | 1.31 Hrs | | 9.05 | 4.43 | 1.06 | \$14.54 | |

Diesel 12.54 Gal @ \$0.65 \$8.15

| Materials & Services | | Opera-tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 6 | 12 lb | 3.44 | 41.28 | \$41.28 | |
| Fertilizer | 18-46-0 | 2 | 40 lb | 0.11 | 4.40 | 4.40 | |
| Chemicals | Buctril | 7 | 1 pt | 6.56 | 6.56 | 6.56 | |
| Rental | Spread fert. | 2 | 1 ac | 1.00 | 1.00 | 1.00 | |
| | Rent seeder | 5 | 1 ac | 3.75 | 3.75 | 3.75 | |
| Subtotal | | | | | | \$56.99 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$71.53 | |
| Interest on Oper. Capital | | \$71.53 @ 8.3% | | for 8 Months | | 3.96 | |
| Unpaid Labor | | 1.31 Hours | | \$6.00 /hr | | 7.87 | |
| Total Operating Costs | | | | | | \$83.36 | |

C9

Returns Above Operating Costs Budget Worksheet
 Alfalfa For Hay, Gravity Irrig., Diesel 148' Head
 16 Acre-inches 7 Ton Alfalfa

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|-------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | Sub-Total | |
| 1 | Harrow | 12.33 Ac/hr | 0.10 | 0.08 | 0.30 | D 0.19 | 0.01 | 0.50 | |
| 2 | Spread, Fert. | 12 Ac/hr | 0.10 | 0.08 | 0.30 | D 0.20 | | 0.50 | |
| 3 | Windrow | Custom | | | | | | | |
| 4 | Bale | Custom | | | | | | | |
| 5 | Stack Bales | Labor | | | | | | | |
| 6 | Haul & Stack | 3 Ac/hr | 0.40 | 0.33 | 1.22 | D 0.80 | 3.53 | 5.55 | |
| 7 | Windrow | Custom | | | | | | | |
| 8 | Bale | Custom | | | | | | | |
| 9 | Stack Bales | Labor | | | | | | | |
| 10 | Haul & Stack | 3 Ac/hr | 0.40 | 0.33 | 1.22 | D 0.80 | 3.53 | 5.55 | |
| 11 | Windrow | Custom | | | | | | | |
| 12 | Bale | Custom | | | | | | | |
| 13 | Stack Bales | Labor | | | | | | | |
| 14 | Haul & Stack | 3 Ac/hr | 0.40 | 0.33 | 1.22 | D 0.80 | 3.53 | 5.55 | |
| 15 | Windrow | Custom | | | | | | | |
| 16 | Bale | Custom | | | | | | | |
| 17 | Stack Bales | Labor | | | | | | | |
| 18 | Haul & Stack | 3 Ac/hr | 0.40 | 0.33 | 1.22 | D 0.80 | 3.53 | 5.55 | |
| 19 | Irrig. | 1000 GPM | 1.58 | 7.18 | 17.20 | D 7.76 | | 24.96 | |
| 20 | Spray | 16.55 Ac/hr | 0.07 | 0.06 | 0.22 | D 0.14 | 0.07 | 0.43 | |
| Subtotal | | | 3.43 Hrs | | 22.90 | 11.49 | 14.20 | \$48.59 | |

Diesel 31.91 Gal @ \$0.65 \$20.74

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 18-46-0 | 2 | 40 lb | 0.11 | 4.40 | \$4.40 | |
| Chemicals Karmex 80W | 20 | 2 lb | 4.30 | 8.60 | 8.60 | |
| Custom Windrower | 3 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Bale | 4 | 70 bale | 0.35 | 24.50 | 24.50 | |
| Windrower | 7 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Bale | 8 | 70 bale | 0.35 | 24.50 | 24.50 | |
| Windrower | 11 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Bale | 12 | 70 bale | 0.35 | 24.50 | 24.50 | |
| Windrower | 15 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Bale | 16 | 70 bale | 0.35 | 24.50 | 24.50 | |
| Rental Spread fert | 2 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Other Stack Bales | 5 | 0.33 hr | 6.00 | 1.98 | 1.98 | |
| Stack Bales | 9 | 0.33 hr | 6.00 | 1.98 | 1.98 | |
| Stack Bales | 13 | 0.33 hr | 6.00 | 1.98 | 1.98 | |
| Stack Bales | 17 | 0.33 hr | 6.00 | 1.98 | 1.98 | |
| Subtotal | | | | | \$149.92 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$198.51 | |
| Interest on Oper. Capital \$198.51 @ 8.3% for 8 Months | | | | | 10.98 | |
| Unpaid Labor 3.43 Hours \$6.00 /hr | | | | | 20.57 | |
| Total Operating Costs | | | | | \$230.06 | |

Projected Returns

Alfalfa 7 Ton @

Total Returns

Net Return above Operating Costs

C10

Returns Above Operating Costs Budget Worksheet
 Corn For Grain, NonIrrigated
 65 Bu. Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 7 | Combine | 4.5 Ac/hr | 0.26 | 0.22 | 1.51 D | 5.95 | 0.95 | 8.41 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu./hr | 0.04 | 0.03 | 0.04 D | 0.05 | 0.01 | 0.10 | |
| 10 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.39 Hrs | | 6.36 | 8.13 | 3.90 | \$18.39 | |
| Diesel | | 8.84 Gal @ \$0.65 | | \$5.74 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 4 | 0.17 bag | 79.23 | 13.47 | \$13.47 | |
| Fertilizer Anhy. N | 2 | 70 lb. N | 0.12 | 8.40 | 8.40 | |
| 18-46-0 | 4 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals Bicep | 4 | 0.9 qt | 8.13 | 7.32 | 7.32 | |
| Custom Truck | 8 | 65 bu | 0.12 | 7.80 | 7.80 | |
| Drying | 10 | 65 bu | 0.10 | 6.50 | 6.50 | |
| Subtotal | | | | | \$48.99 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$67.38 | |
| Interest on Oper. Capital \$67.38 @ 8.3% for 8 Months | | | | | 3.73 | |
| Unpaid Labor 1.39 Hours \$6.00 /hr | | | | | 8.35 | |
| Total Operating Costs | | | | | \$79.46 | |

| | | | | | | |
|----------------------------------|--|--------|---|--|--|--|
| Projected Returns | | | | | | |
| Corn | | 65 Bu. | @ | | | |
| Crop Residue | | 1 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

C11

Returns Above Operating Costs Budget Worksheet
 Corn EcoFallow, Follows Wheat In 3 Yr. Rotation
 80 Bu. Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spray | Custom | | | | | | | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 4 | Spray | 11.82 Ac/hr | 0.10 | 0.08 | 0.31 D | 0.20 | 0.07 | 0.58 | |
| 5 | Combine | 4.5 Ac/hr | 0.26 | 0.22 | 1.51 D | 5.95 | 0.95 | 8.41 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu./hr | 0.04 | 0.03 | 0.05 D | 0.06 | 0.01 | 0.12 | |
| 8 | Dry | Custom | | | | | | | |
| Subtotal | | | 0.82 Hrs | | 3.56 | 6.84 | 2.43 | \$12.83 | |

Diesel 4.93 Gal @ \$0.65 \$3.21

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 3 | 0.17 bag | 79.23 | 13.47 | \$13.47 |
| Fertilizer | Anhy. N | 2 | 85 lb. N | 0.12 | 10.20 | 10.20 |
| | 18-46-0 | 3 | 50 lb | 0.11 | 5.50 | 5.50 |
| Chemicals | 2,4D Ester | 1 | 1 pt | 1.69 | 1.69 | 1.69 |
| | AAtrex 4L | 1 | 5 pt | 1.33 | 6.65 | 6.65 |
| | Bicep | 4 | 0.9 qt | 8.13 | 7.32 | 7.32 |
| Custom | Sprayer | 1 | 1 ac | 3.50 | 3.50 | 3.50 |
| | Truck | 6 | 80 bu | 0.12 | 9.60 | 17.60 |
| | Drying | 8 | 80 bu | 0.10 | 8.00 | |
| Subtotal | | | | | | \$65.93 |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$78.76 |
| Interest on Oper. Capital \$78.76 @ 8.3% for 8 Months | | | | | | 4.36 |
| Unpaid Labor 0.82 Hours \$6.00 /hr | | | | | | 4.90 |
| Total Operating Costs | | | | | | \$88.02 |

Projected Returns

Corn 80 Bu. @
 Crop Residue 1 AUM @

Total Returns

Net Return above Operating Costs

C12

Returns Above Operating Costs Budget Worksheet
 Corn For Silage, Non-Irrigated
 9 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 7 | Chop | Custom | | | | | | | |
| 8 | Truck Silage | Custom | | | | | | | |
| 9 | Pack silage | 25 Ton/hr | 0.43 | 0.36 | 1.98 D | 0.94 | | 2.92 | |
| Subtotal | | | 1.52 Hrs | | 6.79 | 3.07 | 2.94 | \$12.80 | |
| Diesel | | 9.46 Gal @ \$0.65 | | \$6.15 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 4 | 0.17 bag | 79.23 | 13.47 | \$13.47 | |
| Fertilizer Anhy. N | 2 | 110 lb. N | 0.12 | 13.20 | 13.20 | |
| 18-46-0 | 4 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals Bicep | 4 | 0.9 qt | 8.13 | 7.32 | 7.32 | |
| Custom Chop Silage | 7 | 9 ton | 2.50 | 22.50 | 22.50 | |
| Truck Silage | 8 | 9 ton | 2.00 | 18.00 | 18.00 | |
| Subtotal | | | | | \$79.99 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$92.79 | |
| Interest on Oper. Capital \$92.79 @ 8.3% for 8 Months | | | | | 5.13 | |
| Unpaid Labor 1.52 Hours \$6.00 /hr | | | | | 9.14 | |
| Total Operating Costs | | | | | \$107.06 | |

Projected Returns
 Silage 9 Ton @ _____
 Total Returns _____
 Net Return above Operating Costs _____

C13

Returns Above Operating Costs Budget Worksheet
 Sorghum For Grain, Non-Irrigated
 70 Bu. Sorghum

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 0 | 0.25 | 1.18 | 2.32 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Combine | 4.5 Ac/hr | 0.26 | 0.22 | 1.51 D | 5.95 | 0.53 | 7.99 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu./hr | 0.04 | 0.03 | 0.04 D | 0.05 | 0.01 | 0.10 | |
| 9 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.16 Hrs | | 5.32 | 7.63 | 3.20 | \$16.15 | |
| Diesel | | 7.37 Gal @ \$0.65 | | \$4.79 | | | | | |

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|-----------------------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Sorghum | 4 | 5 lb | 1.07 | 5.35 | \$5.35 | |
| Fertilizer | Anhy. N | 2 | 75 lb. N | 0.12 | 9.00 | 9.00 | |
| | 18-46-0 | 4 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals | Ramrod-Atraz. | 4 | 2 qt | 3.73 | 7.46 | 7.46 | |
| Custom | Truck | 7 | 70 bu | 0.12 | 8.40 | 8.40 | |
| | Drying | 9 | 70 bu | 0.10 | 7.00 | 7.00 | |
| Subtotal | | | | | | \$42.71 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$58.86 | |
| Interest on Oper. Capital | | \$58.86 @ 8.3% for 8 Months | | | | 3.26 | |
| Unpaid Labor | | 1.16 Hours @ \$6.00 /hr | | | | 6.98 | |
| Total Operating Costs | | | | | | \$69.10 | |
| Projected Returns | | | | | | | |
| Sorghum | | 70 Bu. | | | | @ | |
| Total Returns | | | | | | | |
| Net Return above Operating Costs | | | | | | | |

C14

Returns Above Operating Costs Budget Worksheet
 Sorghum, Eco-Fallow, Follows Wheat In 3-Yrs. Rotation
 85 Bu. Sorghum

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Spray | 11.82 Ac/hr | 0.10 | 0.08 | 0.31 D | 0.20 | 0.07 | 0.58 | |
| 2 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 3 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 4 | Spray | 11.82 Ac/hr | 0.10 | 0.08 | 0.31 D | 0.20 | 0.07 | 0.58 | |
| 5 | Combine | 4.5 Ac/hr | 0.26 | 0.22 | 1.51 D | 5.95 | 0.53 | 7.99 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Dry | Custom | | | | | | | |
| 8 | Auger | 2500 Bu./hr | 0.04 | 0.03 | 0.05 D | 0.06 | 0.01 | 0.12 | |
| Subtotal | | | 0.91 Hrs | | 3.87 | 7.04 | 2.08 | \$12.99 | |
| Diesel | | 5.34 Gal @ \$0.65 | | \$3.47 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 3 | 5 lb | 1.07 | 5.35 | \$5.35 | |
| Fertilizer Anhy. N | 2 | 80 lb. N | 0.12 | 9.60 | 9.60 | |
| 18-46-0 | 3 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals AAtrex 4L | 1 | 4 pt | 1.33 | 5.32 | 5.32 | |
| Bicep | 4 | 1.05 qt | 8.13 | 8.54 | 8.54 | |
| Custom Truck | 6 | 85 bu | 0.12 | 10.20 | 10.20 | |
| Drying | 8 | 85 bu | 0.10 | 8.50 | 8.50 | |
| Subtotal | | | | | \$53.01 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$66.00 | |
| Interest on Oper. Capital | | \$66.00 @ 8.3% for 8 Months | | | 3.65 | |
| Unpaid Labor | | 0.91 Hours @ \$6.00 /hr | | | 5.47 | |
| Total Operating Costs | | | | | \$75.12 | |

| | | | | | | |
|----------------------------------|--|--------|---|--|--|--|
| Projected Returns | | | | | | |
| Sorghum | | 85 Bu. | @ | | | |
| Crop Residue | | 1 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

C15

Returns Above Operating Costs Budget Worksheet
 Sorghum For Grain, Continuous, No-till, Dryland
 85 Bu. Sorghum

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spray | Custom | | | | | | | |
| 2 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 3 | Combine | 4.5 Ac/hr | 0.26 | 0.22 | 1.51 D | 5.95 | 0.53 | 7.99 | |
| 4 | Truck | Custom | | | | | | | |
| 5 | Dry | Custom | | | | | | | |
| 6 | Auger | 2500 Bu./hr | 0.04 | 0.03 | 0.05 D | 0.06 | 0.01 | 0.12 | |
| Subtotal | | | 0.54 Hrs | | 2.45 | 6.26 | 1.72 | \$10.43 | |
| Diesel | | 3.37 Gal @ \$0.65 | | \$2.19 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 2 | 5 lb | 1.07 | 5.35 | \$5.35 | |
| Fertilizer 28-0-0 | 1 | 90 lb. N | 0.23 | 20.70 | 20.70 | |
| 18-46-0 | 2 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals Bicep | 1 | 2.1 qt | 8.13 | 17.07 | 17.07 | |
| Custom Sprayer | 1 | 1 ac | 3.50 | 3.50 | 3.50 | |
| Truck | 4 | 85 bu | 0.12 | 10.20 | 10.20 | |
| Drying | 6 | 85 bu | 0.10 | 8.50 | 8.50 | |
| Subtotal | | | | | \$70.82 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$81.25 | |
| Interest on Oper. Capital \$81.25 @ 8.3% for 8 Months | | | | | 4.50 | |
| Unpaid Labor 0.54 Hours \$6.00 /hr | | | | | 3.24 | |
| Total Operating Costs | | | | | \$88.99 | |

| | | | | | | |
|----------------------------------|--------|---|--|--|--|--|
| Projected Returns | | | | | | |
| Sorghum | 85 Bu. | @ | | | | |
| Crop Residue | 1 AUM | @ | | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

C16

Returns Above Operating Costs Budget Worksheet
 Soybeans, Non-Irrigated
 30 Bu. Beans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 3 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.18 | 2.32 | |
| 4 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 1.04 D | 0.50 | 0.28 | 1.82 | |
| 6 | Combine | 4 Ac/hr | 0.30 | 0.25 | 1.70 D | 6.69 | 0.53 | 8.92 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu./hr | 0.01 | 0.01 | 0.02 D | 0.02 | | 0.04 | |
| Subtotal | | | 1.22 Hrs | | 5.73 | 8.46 | 3.25 | \$17.44 | |
| Diesel | | 7.93 Gal @ \$0.65 | \$5.15 | | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Soybeans | 3 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals Lasso 4EC | 3 | 1 qt | 6.43 | 6.43 | 6.43 | |
| Sencor 4L | 3 | 0.375 pt | 3.25 | 1.22 | 1.22 | |
| Custom Truck | 7 | 30 bu | 0.12 | 3.60 | 3.60 | |
| Other Rouging | 5 | 1 ac | 5.00 | 5.00 | 5.00 | |
| Subtotal | | | | | \$30.68 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$48.12 | |
| Interest on Oper. Capital \$48.12 @ 8.3% for 8 Months | | | | | 2.66 | |
| Unpaid Labor 1.22 Hours \$6.00 /hr | | | | | 7.34 | |
| Total Operating Costs | | | | | \$58.12 | |
| Projected Returns | | | | | | |
| Beans | | | 30 Bu. | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

C17

Returns Above Operating Costs Budget Worksheet
 Wheat For Grain, Continuous Cropped
 39 Bu. Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.42 | 1.25 | |
| 2 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 3 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 4 | Field Cult | 12.22 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.21 | 0.19 | 0.85 | |
| 5 | Drill | 5.62 Ac/hr | 0.22 | 0.18 | 0.78 D | 0.22 | 1.03 | 2.03 | |
| 6 | Combine | 5.5 Ac/hr | 0.22 | 0.18 | 1.24 D | 4.87 | 0.53 | 6.64 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu./hr | 0.02 | 0.02 | 0.02 D | 0.03 | 0.01 | 0.06 | |
| 9 | Spray | 16.55 Ac/hr | 0.07 | 0.06 | 0.22 D | 0.14 | 0.07 | 0.43 | |
| Subtotal | | | 1.03 Hrs | | 4.59 | 6.37 | 2.96 | \$13.92 | |
| Diesel | | 6.39 Gal @ \$0.65 | | | \$4.15 | | | | |

| Materials & Services | | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|------------|-------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 5 | 60 lb | 0.17 | 10.20 | \$10.20 | |
| Fertilizer | Anhy. N | 3 | 40 lb. N | 0.12 | 4.80 | 4.80 | |
| | 18-46-0 | 5 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals | 2,4D Ester | 9 | 1 pt | 1.69 | 1.69 | 1.69 | |
| Custom | Truck | 7 | 50 bu | 0.12 | 6.00 | 6.00 | |
| Subtotal | | | | | | \$28.19 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$42.11 | |
| Interest on Oper. Capital | | | \$42.11 @ 8.3% for 8 Months | | | 2.33 | |
| Unpaid Labor | | | 1.03 Hours @ \$6.00 /hr | | | 6.19 | |
| Total Operating Costs | | | | | | \$50.63 | |
| Projected Returns | | | | | | | |
| Wheat | | | 39 Bu. | | @ | | |
| Total Returns | | | | | | | |
| Net Return above Operating Costs | | | | | | | |

C18

Returns Above Operating Costs Budget Worksheet
 Wheat For Grain, Continuous Cropped, No Till
 50 Bu. Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Spray | 16.55 Ac/hr | 0.07 | 0.06 | 0.22 D | 0.14 | 0.07 | 0.43 | |
| 2 | Spread, Fert. | 12.22 Ac/hr | 0.10 | 0.08 | 0.30 D | 0.20 | | 0.50 | |
| 3 | Drill | 5.62 Ac/hr | 0.22 | 0.18 | 0.78 D | 0.22 | 1.03 | 2.03 | |
| 4 | Combine | 5.5 Ac/hr | 0.22 | 0.18 | 1.24 D | 4.87 | 0.53 | 6.64 | |
| 5 | Truck | Custom | | | | | | | |
| 6 | Auger | 2500 Bu./hr | 0.02 | 0.02 | 0.03 D | 0.04 | 0.01 | 0.08 | |
| Subtotal | | | 0.62 Hrs | | 2.57 | 5.47 | 1.64 | \$9.68 | |
| Diesel | | 3.56 Gal @ \$0.65 | | \$2.32 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|----------------------|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 3 60 lb | 0.17 | 10.20 | \$10.20 | |
| Fertilizer | 46-0-0 | 1 50 lb. N | 0.23 | 11.50 | 11.50 | |
| | 18-46-0 | 3 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals | 2,4D Ester | 3 0.5 pt | 1.69 | 0.85 | 0.84 | |
| | Glean | 3 0.25 oz | 18.23 | 4.56 | 4.56 | |
| Custom | Truck | 5 50 bu | 0.12 | 6.00 | 6.00 | |

C19

Returns Above Operating Costs Budget Worksheet
 Wheat For Grain, Fallow Every Third Yr.
 49 Bu. Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.42 | 1.25 | |
| 3 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.42 | 1.25 | |
| 4 | Field Cult | 12.22 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.21 | 0.19 | 0.85 | |
| 5 | Anhy Apply | 6.87 Ac/hr | 0.18 | 0.15 | 0.80 D | 0.38 | 0.22 | 1.40 | |
| 6 | Field Cult | 12.22 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.21 | 0.19 | 0.85 | |
| 7 | Drill | 5.62 Ac/hr | 0.22 | 0.18 | 0.78 D | 0.22 | 1.03 | 2.03 | |
| 8 | Combine | 5.5 Ac/hr | 0.22 | 0.18 | 1.24 D | 4.87 | 0.53 | 6.64 | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Auger | 2500 Bu./hr | 0.02 | 0.02 | 0.03 D | 0.04 | 0.01 | 0.08 | |
| 11 | Spray | 16.55 Ac/hr | 0.07 | 0.06 | 0.22 D | 0.14 | 0.07 | 0.43 | |
| Subtotal | | | 1.25 Hrs | | 5.61 | 6.86 | 3.57 | \$16.04 | |

Diesel 7.77 Gal @ \$0.65 \$5.05

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Wheat | 7 | 60 lb | 0.17 | 10.20 | \$10.20 |
| Fertilizer | Anhy. N | 5 | 50 lb. N | 0.12 | 6.00 | 6.00 |
| | 18-46-0 | 7 | 50 lb | 0.11 | 5.50 | 5.50 |
| Chemicals | 2,4D Ester | 11 | 0.5 pt | 1.69 | 0.85 | 0.84 |
| Custom | Truck | 9 | 49 bu | 0.12 | 5.88 | 5.88 |
| Subtotal | | | | | | \$28.43 |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$44.47 |
| Interest on Oper. Capital \$44.47 @ 8.3% for 8 Months | | | | | | 2.46 |
| Unpaid Labor 1.25 Hours \$6.00 /hr | | | | | | 7.49 |
| Total Operating Costs | | | | | | \$54.42 |

Projected Returns

Wheat 49 Bu. @

Total Returns

Net Return above Operating Costs

G20

Returns Above Operating Costs Budget Worksheet
 Establish Alfalfa(5 Yr.Life) Dryland

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.42 | 1.25 | |
| 3 | Chisel | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.42 | 1.25 | |
| 4 | Spread,Fert. | 6.5 Ac/hr | 0.18 | 0.15 | 0.56 D | 0.37 | | 0.93 | |
| 5 | Disc w/Harrow | 12.22 Ac/hr | 0.10 | 0.08 | 0.45 D | 0.21 | 0.49 | 1.15 | |
| 6 | Harrow | 12.33 Ac/hr | 0.10 | 0.08 | 0.30 D | 0.19 | 0.01 | 0.50 | |
| 7 | Seeder-Packer | 5.62 Ac/hr | 0.22 | 0.18 | 0.65 D | 0.43 | | 1.08 | |
| 8 | Spray | 16.55 Ac/hr | 0.07 | 0.06 | 0.22 D | 0.14 | 0.07 | 0.43 | |
| Subtotal | | | 1.01 Hrs | | 3.82 | 2.13 | 1.90 | \$7.85 | |
| Diesel | | 5.25 Gal @ \$0.65 | | \$3.41 | | | | | |

| Materials & Services | | Opera-tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|-----------------------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 7 | 7 lb | 3.44 | 24.08 | \$24.08 | |
| Fertilizer | 18-46-0 | 4 | 40 lh | 0.11 | 4.40 | 4.40 | |
| Chemicals | Buctril | 9 | 1 pt | 6.56 | 6.56 | 6.56 | |
| Rental | Spread fert. | 4 | 1 ac | 1.00 | 1.00 | 1.00 | |
| | Rent seeder | 7 | 1 ac | 3.75 | 3.75 | 3.75 | |
| Subtotal | | | | | | \$39.79 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$47.64 | |
| Interest on Oper. Capital | | \$47.64 @ 8.3% for 8 Months | | | | 2.64 | |
| Unpaid Labor | | 1.01 Hours | | \$6.00 /hr | | 6.05 | |
| Total Operating Costs | | | | | | \$56.33 | |

C21

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay Non-Irrigated
 3.5 Ton Alfalfa

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|-------------------|--------------|--------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Harrow | 12.33 Ac/hr | 0.10 | 0.08 | 0.30 | D 0.19 | 0.01 | 0.50 | |
| 2 | Windrow | Custom | | | | | | | |
| 3 | Bale | Custom | | | | | | | |
| 4 | Stack Bales | Labor | | | | | | | |
| 5 | Windrow | Custom | | | | | | | |
| 6 | Bale | Custom | | | | | | | |
| 7 | Stack Bales | Labor | | | | | | | |
| 8 | Windrow | Custom | | | | | | | |
| 9 | Bale | Custom | | | | | | | |
| 10 | Stack Bales | Labor | | | | | | | |
| 11 | Spray | 16.55 Ac/hr | 0.07 | 0.06 | 0.22 | D 0.14 | 0.07 | 0.43 | |
| Subtotal | | | 0.17 Hrs | | 0.52 | 0.33 | 0.08 | \$0.93 | |
| Diesel | | 0.71 Gal @ \$0.65 | | \$0.46 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|-----------------------------|---------------|---------------|-----------|---------------|
| Chemicals | Karmex 80W | 11 | 2 lb | 4.30 | 8.60 | \$8.60 |
| Custom | Windrow | 2 | 1 ac | 7.50 | 7.50 | 7.50 |
| | Bale | 3 | 36 bale | 0.35 | 12.60 | 12.60 |
| | Windrow | 5 | 1 ac | 7.50 | 7.50 | 7.50 |
| | Bale | 6 | 36 bale | 0.35 | 12.60 | 12.60 |
| | Windrow | 8 | 1 ac | 7.50 | 7.50 | 7.50 |
| | Bale | 9 | 36 bale | 0.35 | 12.60 | 12.60 |
| Other | Stack Bales | 4 | 0.22 hr | 6.00 | 1.32 | 1.32 |
| | Stack Bales | 7 | 0.22 hr | 6.00 | 1.32 | 1.32 |
| | Stack Bales | 10 | 0.22 hr | 6.00 | 1.32 | 1.32 |
| Subtotal | | | | | \$72.86 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$73.79 | |
| Interest on Oper. Capital | | \$73.79 @ 8.3% for 8 Months | | 4.08 | | |
| Unpaid Labor | | 0.17 Hours \$6.00 /hr | | 1.01 | | |
| Total Operating Costs | | | | | \$78.88 | |

| | | | | | | |
|----------------------------------|--|-----|-----|---|--|--|
| Projected Returns | | | | | | |
| Alfalfa | | 3.5 | Ton | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

Returns Above Operating Costs Budget Worksheet
 Establish and Maintain Cover Crop on Set Aside Ac.

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|---------------|-------------------|----------------------------|---------------|---------------|-----------|---------------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Power | Repairs Impl | | |
| 1 | Disc w/Harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.25 | 0.49 | 1.26 | |
| 2 | Drill | 9.76 Ac/hr | 0.12 | 0.10 | 0.45 D | 0.13 | 1.03 | 1.61 | |
| 3 | Shred | 9.76 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.27 | 0.43 | 1.26 | |
| Subtotal | | | 0.35 Hrs | | 1.53 | 0.65 | 1.95 | \$4.13 | |
| Diesel | | 2.07 Gal @ \$0.65 | | \$1.35 | | | | | |
| Materials & Services | | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | | |
| Seed | Oats | 2 | 1 bu | 5.00 | 5.00 | \$5.00 | | | |
| Subtotal | | | | | | \$5.00 | | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$9.13 | | | |
| Interest on Oper. Capital | | | \$9.13 @ 8.3% for 8 Months | | | 0.51 | | | |
| Unpaid Labor | | | 0.35 Hours @ \$6.00 /hr | | | 2.09 | | | |
| Total Operating Costs | | | | | | \$11.73 | | | |

DESCRIPTION OF THE CROP BUDGETS FOR NORTHEAST NEBRASKA

The production systems budgeted here are representative of those in the rolling hills of northeast Nebraska with Moody-Crofton soils. Both dryland and center pivot irrigation budgets are provided for crops produced in this area. Center pivot irrigated corn and alfalfa establishment budgets are included for the sandy soils of Pierce, Antelope, and Holt Counties.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost worksheets.

| NE 1994 Machinery List -- Northeastern Nebraska | | | | | | |
|---|--------------------------------------|--------|------------|----------------|----------|-------------|
| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 2 | Diesel Pivot 206' head | 71,900 | 900 hr | 17 | 0 | 1.49/hr |
| 3 | Elec Pivot 281' head | 74,700 | 900 hr | 20 | 0 | 1.19/hr |
| 16 | Tractor 120 hp diesel cab | 61,289 | 200 hr | 10 | 18,103 | 1.23/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 400 hr | 10 | 19,370 | 2.62/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| Implements | | | | | | |
| 30 | Tandem Disc 20' | 14,485 | 900 ac | 17 | 1,089 | .53/ac |
| 38 | Row Crop Cultivator 6 row x 30" | 3,803 | 800 ac | 12 | 527 | .35/ac |
| 49 | Roller/Packer 15' | 11,000 | 300 ac | 20 | 574 | .24/ac |
| 53 | Spike Tooth Harrow 24' | 1,172 | 150 ac | 20 | 61 | .01/ac |
| 62 | Grain Drill 16' disk | 7,890 | 540 ac | 12 | 1,093 | .95/ac |
| 66 | Planter 6 row x 30" | 15,640 | 500 ac | 8 | 3,532 | 1.38/ac |
| 76 | Sprayer 300 gallon 20' 3 point mount | 2,050 | 1,275 ac | 12 | 265 | .09/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 89 | 15' grain head | 17,251 | 500 ac | 15 | 1,767 | .76/ac |
| 92 | 15' pickup head | 17,378 | 760 ac | 10 | 3,278 | .79/ac |
| 95 | Swather/Conditioner 14' pull-type | 21,042 | 500 ac | 20 | 1,169 | 1.34/ac |
| 100 | Small Square Baler wire tie | 11,437 | 400 ton | 20 | 556 | .74/ton |
| 101 | Large Round Baler | 19,182 | 800 ton | 15 | 1,719 | 1.17/ton |
| 103 | Bale Wagon & Stacker 144 bales/load | 22,150 | 200 ac | 19 | 1,310 | 4.26/ac |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 150 bu000 | 20 | 178 | .21/bu000 |
| 113 | Grain Cart 450 hushel | 9,600 | 510 bu000 | 15 | 983 | 19.26/bu000 |

1994 Operations List* Northeastern Nebraska

| NE Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| Apply Anhy | 17 | Rent | 7.70 Gal Diesel | 10% |
| Auger | 16 | 111 | 6.10 Gal Diesel | 10% |
| Bale | 16 | 100 | 6.10 Gal Diesel | 10% |
| Bale | 17 | 101 | 7.70 Gal Diesel | 10% |
| Cart | 16 | 113 | 6.10 Gal Diesel | 10% |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 89 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 92 | 9.50 Gal Diesel | 10% |
| Disc w/Harrow | 17 | 30 | 7.70 Gal Diesel | 10% |
| Drill | 16 | 62 | 6.10 Gal Diesel | 10% |
| Dry | Custom | | | |
| Harrow | 17 | 53 | 7.70 Gal Diesel | 10% |
| Irrig. | 2 | | 4.00 Gal Diesel | 10% |
| Irrig. | 3 | | 73.00 Kwh Elec | 1.3% |
| Move Bales | 16 | 103 | 6.10 Gal Diesel | 10% |
| Plant | 16 | 66 | 6.10 Gal Diesel | 10% |
| Rogue | Labor | | | |
| Roll | 16 | 49 | 6.10 Gal Diesel | 10% |
| Row Crop Cult | 16 | 38 | 6.10 Gal Diesel | 10% |
| Spray | 16 | 76 | 6.10 Gal Diesel | 10% |
| Spray | Custom | | | |
| Spray in tandem | | 76 | | |
| Spread Fert. | Custom | | | |
| Truck | Custom | | | |
| Windrow | 17 | 95 | 7.70 Gal Diesel | 10% |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, Northeast Nebraska 1994

| Budget | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 | D13 |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|
| Crop | Corn | Corn | Corn | Corn | Soybeans | Soybeans | Oats | Oats | Alfalfa | Alfalfa | Alfalfa | Alfalfa |
| Description | Grain | Grain | Grain | Grain | Dryland | Irrig | Dryland | Estab | Estab | Estab | Hay | Hay |
| | Pivot | Pivot | Dryland | Rolling | Rolling | Rolling | Pivot | Alfalfa | Share | Fall | Large | Small |
| | Sandy | Rolling | Rolling | Rolling | Rolling | Rolling | | | of D9 | Sandy | Round | Square |
| | Soil | Hills | Hills | Hills | Hills | Hills | | | | Soils | | |
| Yield | 140.0 Bu | 130.0 Bu | 80.0 Bu | 80.0 Bu | 40.0 Bu | 50.0 Bu | 80.0 Bu | 80.0 Bu | | | 3.0 Ton | 3.0 Ton |
| Mgt Fee/unit | \$0.10 | \$0.10 | \$0.10 | \$0.10 | \$0.30 | \$0.30 | \$0.08 | \$0.10 | \$2.00 | \$2.00 | \$2.00 | \$0.10 |
| Land Invest. | \$750 | \$850 | \$850 | \$850 | \$850 | \$850 | \$850 | \$850 | \$850 | \$750 | \$850 | \$750 |
| Unimp. | 457 | 548 | 850 | 850 | 850 | 548 | 850 | 850 | 850 | 750 | 850 | 750 |
| Irrig | 293 | 302 | | | | 302 | | | | | | |
| Mach Invest | \$243.84 | \$327.18 | \$330.01 | \$278.12 | \$239.77 | \$240.67 | \$147.25 | \$164.00 | \$67.34 | \$137.24 | \$457.22 | \$287.11 |
| Op Cost/ac | \$160.47 | \$164.46 | \$117.31 | \$112.34 | \$66.83 | \$90.11 | \$116.59 | \$129.51 | \$66.99 | \$78.41 | \$66.10 | \$106.93 |
| Overhead | \$8.02 | \$8.22 | \$5.87 | \$5.62 | \$3.34 | \$4.51 | \$5.83 | \$6.48 | \$3.35 | \$3.92 | \$3.30 | \$5.35 |
| Unpaid Mgt | \$14.00 | \$13.00 | \$8.00 | \$8.00 | \$12.00 | \$15.00 | \$6.40 | \$8.00 | | | \$6.00 | \$0.30 |
| RE Taxes | \$8.00 | \$15.00 | \$10.00 | \$10.00 | \$10.00 | \$15.00 | \$10.00 | \$10.00 | | | \$10.00 | \$10.00 |
| Land Interest | 26.51 | 31.78 | 49.30 | 49.30 | 49.30 | 31.78 | 49.30 | 49.30 | | | 49.30 | 43.50 |
| Irrig Interest | 20.22 | 20.84 | | | | 20.84 | | | | | | |
| Irrig Deprec | 32.00 | 30.00 | | | | 30.00 | | | | | | |
| Land Subtotal | \$86.72 | \$97.62 | \$59.30 | \$59.30 | \$59.30 | \$97.62 | \$59.30 | \$59.30 | | | \$59.30 | \$53.50 |
| Mach. Interest | \$16.82 | \$22.58 | \$22.77 | \$19.19 | \$16.54 | \$16.61 | \$10.16 | \$11.32 | \$4.65 | \$9.47 | \$31.55 | \$19.81 |
| Mach. Deprec | 30.10 | 39.16 | 39.69 | 33.97 | 28.90 | 29.00 | 18.41 | 19.86 | 7.41 | 14.58 | 45.87 | 29.15 |
| Mach. Subtotal | \$46.92 | \$61.74 | \$62.46 | \$53.16 | \$45.44 | \$45.61 | \$28.57 | \$31.18 | \$12.06 | \$24.05 | \$77.42 | \$48.96 |
| Total Owner Cost | \$133.65 | \$159.36 | \$121.76 | \$112.46 | \$104.74 | \$143.23 | \$87.87 | \$90.48 | \$12.06 | \$24.05 | \$136.72 | \$102.46 |
| Estab Costs | | | | | | | | | | | \$11.77 | \$11.77 |
| Total Cost/ac | \$316.14 | \$345.04 | \$252.94 | \$238.42 | \$186.92 | \$252.84 | \$216.69 | \$234.46 | \$82.40 | \$106.38 | \$223.89 | \$226.81 |
| Total Cost/unit | \$2.26 | \$2.65 | \$3.16 | \$2.98 | \$4.67 | \$5.06 | \$2.71 | \$2.93 | | | \$74.63 | \$75.60 |

Returns Above Operating Costs Budget Worksheet
 Corn Grain.Pivot Irrig, Diesel,206'Head,Sandy Soils
 10 Acre-inches 140 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel& Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Apply Anhy | 9.7 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.27 | | 0.84 | |
| 2 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 3 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.38 | 2.52 | |
| 4 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 D | 0.24 | 0.35 | 1.45 | |
| 5 | Irrig. | 800 GPM | 0.34 | 5.61 | 16.04 D | 8.36 | | 24.40 | |
| 6 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 D | 4.06 | 1.5 | 7.35 | |
| 7 | Auger | 2500 Bu/hr | 0.07 | 0.06 | 0.24 D | 0.07 | 0.03 | 0.34 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.48 Hrs | | 21.10 | 13.59 | 3.79 | \$38.48 | |

Diesel 29.49 Gal @ \$0.65 \$19.17

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Corn | 3 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer Anhy. N | 1 | 100 lb. N | 0.12 | 12.00 | 12.00 | |
| | 3 | 100 lb | 0.11 | 11.00 | 11.00 | |
| | 5 | 60 lb. N | 0.23 | 13.80 | 13.80 | |
| Chemicals Atrazine 90 DF | 3 | 0.55 lb | 3.02 | 1.66 | 1.66 | |
| | 3 | 2 lb | 1.64 | 3.28 | 3.28 | |
| | 3 | 1 qt | 6.43 | 6.43 | 6.43 | |
| | 5 | 0.33 pt | 5.57 | 1.84 | 1.84 | |
| | 5 | 0.25 pt | 5.57 | 1.39 | 1.39 | |
| Custom Truck | 8 | 140 bu | 0.12 | 16.80 | 16.80 | |
| | 9 | 93.32 bu | 0.10 | 9.33 | 9.33 | |
| Rental Anhy Applic | 1 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$105.18 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$143.66 | |
| Interest on Oper. Capital \$143.66 @ 8.3% for 8 Months | | | | | 7.95 | |
| Unpaid Labor 1.48 Hours \$6.00 /hr | | | | | 8.86 | |
| Total Operating Costs | | | | | \$160.47 | |

Projected Returns
 Corn 140 Bu @
 Total Returns
 Net Return above Operating Costs

D3

Returns Above Operating Costs Budget Worksheet
 Corn Grain.Pivot Irrig, Elect.,281'Head Rolling Hills
 7 Acre-inches 130 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------------|--------------|---------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 2 | Apply Anhy | 9.7 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.27 | | 0.84 | |
| 3 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.38 | 2.52 | |
| 5 | Spray | 10.2 Ac/hr | 0.12 | 0.10 | 0.43 D | 0.12 | 0.09 | 0.64 | |
| 6 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 D | 0.24 | 0.35 | 1.45 | |
| 7 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 D | 0.24 | 0.35 | 1.45 | |
| 8 | Irrig. | 800 GPM | 0.24 | 3.93 | 21.72 E | 4.67 | | 26.39 | |
| 9 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 D | 4.06 | 1.5 | 7.35 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.06 | 0.05 | 0.23 D | 0.06 | 0.03 | 0.32 | |
| 12 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.88 Hrs | | 28.77 | 10.59 | 4.76 | \$44.12 | |
| Diesel | | 9.82 Gal @ \$0.65 | | \$6.38 | | | | | |
| Electricity | | 286.89 KWH @ \$0.075 | | \$21.52 | | | | | |

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy N | 2 130 lh. N | 0.12 | 15.60 | 15.60 | |
| | 10-34-0 Liq | 4 8.4 gal | 1.22 | 10.25 | 10.25 | |
| Chemicals | Bladex 90 DF | 4 0.55 lb | 5.31 | 2.92 | 2.92 | |
| | Lasso 4EC | 4 1 qt | 6.43 | 6.43 | 6.43 | |
| | 2,4-D Ester | 5 0.5 pt | 1.69 | 0.85 | 0.85 | |
| | Counter 3/4 yr | 5 6 lb | 1.64 | 9.84 | 9.84 | |
| | Lorsban 1/3 yr | 8 0.33 pt | 5.57 | 1.84 | 1.84 | |
| | Lorsban 1/4 yr | 8 0.25 pt | 5.57 | 1.39 | 1.39 | |
| Custom | Truck | 10 130 bu | 0.12 | 15.60 | 15.60 | |
| | Dryer 2/3 | 12 86.66 bu | 0.10 | 8.67 | 8.67 | |
| Rental | Anhy Applic | 2 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$101.03 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$145.15 | |
| Interest on Oper. Capital \$145.15 @ 8.3% for 8 Months | | | | | 8.03 | |
| Unpaid Labor 1.88 Hours \$6.00 /hr | | | | | 11.28 | |
| Total Operating Costs | | | | | \$164.46 | |

Projected Returns

| | | | |
|--------------|---------|---|--|
| Corn | 130 Bu | @ | |
| Crop Residue | 2.5 AUM | @ | |

Total Returns

Net Return above Operating Costs

D4 Returns Above Operating Costs Budget Worksheet
 Cont. Corn For Grain, Rolling Hills
 80 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Apply Anhy | 9.7 Ac/hr | 0.12 | 0.10 | 0.57 | D 0.27 | | 0.84 | |
| 2 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 | D 0.34 | 0.53 | 1.58 | |
| 3 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 | D 0.34 | 0.53 | 1.58 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.25 | 1.38 | 2.52 | |
| 5 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 | D 0.24 | 0.35 | 1.45 | |
| 6 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 | D 0.24 | 0.35 | 1.45 | |
| 7 | Spray | 10.2 Ac/hr | 0.12 | 0.10 | 0.43 | D 0.12 | 0.09 | 0.64 | |
| 8 | Spray | Custom | | | | | | | |
| 9 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 | D 4.49 | 1.5 | 7.96 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.14 | D 0.04 | 0.02 | 0.20 | |
| 12 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.66 Hrs | | 7.14 | 6.33 | 4.75 | \$18.22 | |

Diesel 9.98 Gal @ \$0.65 \$6.49

| Materials & Services | | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|----------------------|----------------|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 | 0.25 bag | 79.23 | 19.81 | \$19.81 | |
| Fertilizer | Anhy. N | 1 | 80 lb. N | 0.12 | 9.60 | 9.60 | |
| | 10-34-0 Liq | 4 | 8.4 gal | 1.22 | 10.25 | 10.25 | |
| Chemicals | Bladex 90 DF | 4 | 0.55 lb | 5.31 | 2.92 | 2.92 | |
| | Lasso 4EC | 4 | 1 qt | 6.43 | 6.43 | 6.43 | |
| | 2,4-D Ester | 7 | 0.5 pt | 1.69 | 0.85 | 0.85 | |
| | Counter 3/4 yr | 7 | 6 lb | 1.64 | 9.84 | 9.84 | |
| | Furadan 1/4 yr | 8 | 2 lb | 1.70 | 3.40 | 3.40 | |
| Custom | Aerial Spray | 8 | 1 ac | 4.00 | 4.00 | 4.00 | |
| | Truck | 10 | 80 bu | 0.12 | 9.60 | 9.60 | |
| | Dryer 2/3 | 12 | 53.32 bu | 0.10 | 5.33 | 5.33 | |
| Rental | Anhy Applic | 1 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | | \$83.52 | |

Total Operating Costs excluding Interest & Unpaid Labor \$101.74
 Interest on Oper. Capital \$101.74 @ 8.3% for 8 Months 5.63
 Unpaid Labor 1.66 Hours \$6.00 /hr 9.94
 Total Operating Costs \$117.31

Projected Returns
 Corn 80 Bu @
 Crop Residue 2 AUM @
 Total Returns
 Net Return above Operating Costs

D5

Returns Above Operating Costs Budget Worksheet
 Corn For Grain, Ridge-Till Plant Rolling Hills
 80 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Apply Anhy | 9.7 Ac/hr | 0.12 | 0.10 | 0.57 | D 0.27 | | 0.84 | |
| 2 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.25 | 1.38 | 2.52 | |
| 3 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 | D 0.24 | 0.35 | 1.45 | |
| 4 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 | D 0.24 | 0.35 | 1.45 | |
| 5 | Spray | 10.2 Ac/hr | 0.12 | 0.10 | 0.43 | D 0.12 | 0.09 | 0.64 | |
| 6 | Spray | Custom | | | | | | | |
| 7 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 | D 4.06 | 1.5 | 7.35 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.14 | D 0.04 | 0.02 | 0.20 | |
| 10 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.31 Hrs | | 5.54 | 5.22 | 3.69 | \$14.45 | |

Diesel 7.69 Gal @ \$0.65 \$5.00

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 2 | 0.25 bag | 79.23 | 19.81 | \$19.81 |
| Fertilizer | Anhy. N | 1 | 80 lb. N | 0.12 | 9.60 | 9.60 |
| | 10-34-0 Liq | 2 | 8.4 gal | 1.22 | 10.25 | 10.25 |
| Chemicals | Bladex 90 DF | 2 | 1.1 lb | 5.31 | 5.84 | 5.84 |
| | Lasso 4EC | 2 | 1 qt | 6.43 | 6.43 | 6.43 |
| | 2,4-D Ester | 5 | 0.5 pt | 1.69 | 0.85 | 0.84 |
| | Dyfonate 3/4 yr | 5 | 3.9975 lb | 1.99 | 7.96 | 7.96 |
| | Furadan 1/4yr | 6 | 2 lb | 1.70 | 3.40 | 3.40 |
| Custom | Aerial Spray | 6 | 1 ac | 4.00 | 4.00 | 4.00 |
| | Truck | 8 | 80 bu | 0.12 | 9.60 | 9.60 |
| | Dryer 2/3 | 10 | 53.32 bu | 0.10 | 5.33 | 5.33 |
| Rental | Anhy Applic | 1 | 1 ac | 1.50 | 1.50 | 1.50 |
| Subtotal | | | | | | \$84.56 |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$99.01 |
| Interest on Oper. Capital \$99.01 @ 8.3% for 8 Months | | | | | | 5.48 |
| Unpaid Labor 1.31 Hours \$6.00 /hr | | | | | | 7.85 |
| Total Operating Costs | | | | | | \$112.34 |

Projected Returns

Corn 80 Bu @
 Crop Residue 2 AUM @

Total Returns

Net Return above Operating Costs

D6

Returns Above Operating Costs Budget Worksheet
 Soybeans, Non-Irrigated
 40 Bu Soybeans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 | 0.34 | 0.53 | 1.58 | |
| 2 | Spray in tandem | 7.8 Ac/hr | | 0.13 | | | 0.09 | 0.09 | |
| 3 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 | 0.34 | 0.53 | 1.58 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | 0.25 | 1.38 | 2.52 | |
| 5 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 | 0.24 | 0.35 | 1.45 | |
| 6 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 | 4.06 | 0.76 | 6.61 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.07 | 0.02 | 0.01 | 0.10 | |
| Subtotal | | | 1.13 | Hrs | 5.03 | 5.25 | 3.65 | \$13.93 | |

Diesel 7.03 Gal @ \$0.65 \$4.57

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Soybeans | 4 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals Pursuit Plus | 2 | 2.5 pt | 9.50 | 23.75 | 23.75 | |
| Custom Truck | 7 | 40 bu | 0.12 | 4.80 | 4.80 | |
| Subtotal | | | | | \$42.98 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$56.91 | |
| Interest on Oper. Capital \$56.91 @ 8.3% for 8 Months | | | | | 3.15 | |
| Unpaid Labor 1.13 Hours \$6.00 /hr | | | | | 6.77 | |
| Total Operating Costs | | | | | \$66.83 | |

Projected Returns
 Soybeans 40 Bu @
 Total Returns
 Net Return above Operating Costs

D7 Returns Above Operating Costs Budget Worksheet
 Soybeans, Pivot Irrig., Elect., 281' Head
 4 Acre-inches 50 Bu Soybeans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 2 | Spray in tandem | 7.8 Ac/hr | | 0.13 | | | 0.09 | 0.09 | |
| 3 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.25 | 1.38 | 2.52 | |
| 5 | Row Crop Cult | 5.1 Ac/hr | 0.24 | 0.20 | 0.86 D | 0.24 | 0.35 | 1.45 | |
| 6 | Irrig. | 800 GPM | 0.13 | 2.24 | 12.41 E | 2.67 | | 15.08 | |
| 7 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 D | 4.06 | 0.76 | 6.61 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.02 | 0.02 | 0.09 D | 0.02 | 0.01 | 0.12 | |
| Subtotal | | | 1.26 Hrs | | 17.46 | 7.92 | 3.65 | \$29.03 | |

Diesel 7.03 Gal @ \$0.65 \$4.57
 Electricity 163.52 KWH @ \$0.075 \$12.26

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|---------------|-----------------------------|---------------|---------------|-----------|---------------|
| Seed Soybeans | 4 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals Pursuit Plus | 2 | 2.5 pt | 9.50 | 23.75 | 23.75 | |
| Custom Truck | 8 | 50 hu | 0.12 | 6.00 | 6.00 | |
| Other Rogue Beans | 5 | 1 ac | 5.00 | 5.00 | 5.00 | |
| Subtotal | | | | | \$49.18 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$78.21 | |
| Interest on Oper. Capital | | \$78.21 @ 8.3% for 8 Months | | | 4.33 | |
| Unpaid Labor | | 1.26 Hours \$6.00 /hr | | | 7.57 | |
| Total Operating Costs | | | | | \$90.11 | |

Projected Returns
 Soybeans 50 Bu @
 Total Returns
 Net Return above Operating Costs

D8

Returns Above Operating Costs Budget Worksheet
 Oats, Non-Irrigated
 80 Bu Oats

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | _____ |
| 3 | Drill | 7.8 Ac/hr | 0.16 | 0.13 | 0.56 D | 0.16 | 0.95 | 1.67 | _____ |
| 4 | Windrow | Custom | | | | | | | |
| 5 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 D | 4.06 | 0.79 | 6.64 | _____ |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.14 D | 0.04 | 0.02 | 0.20 | _____ |
| Subtotal | | | 0.66 Hrs | | 3.20 | 4.60 | 2.29 | \$10.09 | _____ |

Diesel 4.45 Gal @ \$0.65 \$2.89

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 3 | 12 lb | 3.44 | 41.28 | \$41.28 |
| | Oats | 3 | 2 bu | 5.00 | 10.00 | 10.00 |
| Fertilizer | 30-10-0 | 1 | 250 lb | 0.10 | 25.00 | 25.00 |
| Custom | Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 |
| | Windrower | 4 | 1 ac | 7.50 | 7.50 | 7.50 |
| | Truck | 6 | 80 bu | 0.12 | 9.60 | 9.60 |
| Subtotal | | | | | \$96.63 | _____ |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$106.72 | _____ |
| Interest on Oper. Capital \$106.72 @ 8.3% for 8 Months | | | | | 5.91 | _____ |
| Unpaid Labor 0.66 Hours \$6.00 /hr | | | | | 3.96 | _____ |
| Total Operating Costs | | | | | \$116.59 | _____ |

| | | | | | | |
|----------------------------------|--------------|----|-----|---|--|-------|
| Projected Returns | | | | | | |
| | Oats | 80 | Bu | @ | | _____ |
| | Crop Residue | 1 | AUM | @ | | _____ |
| Total Returns | | | | | | _____ |
| Net Return above Operating Costs | | | | | | _____ |

D9

Returns Above Operating Costs Budget Worksheet
 Oats With Spring Alfalfa Seeding
 80 Bu Oats

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 | D 0.34 | 0.53 | 1.58 | |
| 3 | Drill | 5.4 Ac/hr | 0.23 | 0.19 | 0.81 | D 0.23 | 0.95 | 1.99 | |
| 4 | Windrow | Custom | | | | | | | |
| 5 | Combine | 3.8 Ac/hr | 0.31 | 0.26 | 1.79 | D 4.06 | 0.76 | 6.61 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.14 | D 0.04 | 0.02 | 0.20 | |
| Subtotal | | | 0.73 Hrs | | 3.45 | 4.67 | 2.26 | \$10.38 | |

Diesel 4.81 Gal @ \$0.65 \$3.13

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 3 12 lb | 3.44 | 41.28 | \$41.28 | |
| | Oats | 3 1.5 bu | 5.00 | 7.50 | 7.50 | |
| Fertilizer | 18-46-0 | 1 175 lb | 0.11 | 19.25 | 19.25 | |
| | 46-0-0 | 1 85 lb. N | 0.23 | 19.55 | 19.55 | |
| Custom | Spread Fert. | 1 1 ac | 3.50 | 3.50 | 3.50 | |
| | Windrower | 4 1 ac | 7.50 | 7.50 | 7.50 | |
| | Truck | 6 80 bu | 0.12 | 9.60 | 9.60 | |
| Subtotal | | | | | \$108.18 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$118.56 | |
| Interest on Oper. Capital \$118.56 @ 8.3% for 8 Months | | | | | 6.56 | |
| Unpaid Labor 0.73 Hours \$6.00 /hr | | | | | 4.39 | |
| Total Operating Costs | | | | | \$129.51 | |

| | | | | | | |
|----------------------------------|--------------|-------|---|--|--|--|
| Projected Returns | | | | | | |
| | Oats | 80 Bu | @ | | | |
| | Crop Residue | 1 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

D10

Returns Above Operating Costs Budget Worksheet
 Alfalfa Seeding Cost Share With Oats

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | _____ |
| 3 | Drill | 5.4 Ac/hr | 0.23 | 0.19 | 0.81 D | 0.23 | 0.95 | 1.99 | _____ |
| Subtotal | | | 0.38 Hrs | | 1.52 | 0.57 | 1.48 | \$3.57 | _____ |
| Diesel | | 2.16 Gal @ \$0.65 | \$1.40 | | | | | | |

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|--------------|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Alfalfa | 3 | 12 lb | 3.44 | 41.28 | \$41.28 | _____ |
| Fertilizer | 18-46-0 | 1 | 120 lb | 0.11 | 13.20 | 13.20 | _____ |
| Custom | Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 | _____ |
| Subtotal | | | | | | \$57.73 | _____ |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$61.30 | _____ |
| Interest on Oper. Capital | | | \$61.30 @ 8.3% | for 8 Months | | 3.39 | _____ |
| Unpaid Labor | | | 0.38 Hours | \$6.00 /hr | | 2.30 | _____ |
| Total Operating Costs | | | | | | \$66.99 | _____ |

D11

Returns Above Operating Costs Budget Worksheet
Alfalfa Estab., Sandy Soils, Fall Seeding

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|---------------|----------------|-----------------------------|------|---------------|---------------|-----------|---------------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 3 | Disc w/Harrow | 7.8 Ac/hr | 0.16 | 0.13 | 0.71 D | 0.34 | 0.53 | 1.58 | |
| 4 | Drill | 5.4 Ac/hr | 0.23 | 0.19 | 0.81 D | 0.23 | 0.95 | 1.99 | |
| 5 | Roll | 7 Ac/hr | 0.17 | 0.14 | 0.62 D | 0.18 | 0.24 | 1.04 | |
| Subtotal | | | 0.71 Hrs | | 2.85 | 1.09 | 2.25 | \$6.19 | |
| Diesel | | | 4.02 Gal @ \$0.65 | | \$2.61 | | | | |
| Materials & Services | | Opera- tion # | Units per Acre | | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | |
| Seed | Alfalfa | 4 | 12 lb | | 3.44 | 41.28 | \$41.28 | | |
| Fertilizer | 18-46-0 | 1 | 130 lb | | 0.11 | 14.30 | 14.30 | | |
| | Sulfur 90% | 1 | 35 lb. S | | 0.15 | 5.25 | 5.25 | | |
| Custom | Spread Fert. | 1 | 1 ac | | 3.25 | 3.25 | 3.25 | | |
| Subtotal | | | | | | | \$64.08 | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | | \$70.27 | | |
| Interest on Oper. Capital | | | \$70.27 @ 8.3% for 8 Months | | | | 3.89 | | |
| Unpaid Labor | | | 0.71 Hours | | \$6.00 /hr | | 4.25 | | |
| Total Operating Costs | | | | | | | \$78.41 | | |

D12

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Large Round Baler
 3 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|-------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Spray 1/10yr | 10.2 Ac/hr | 0.12 | 0.10 | 0.43 | D 0.12 | 0.09 | 0.64 | |
| 3 | Windrow | 5.7 Ac/hr | 0.22 | 0.18 | 0.97 | D 0.46 | 1.34 | 2.77 | |
| 4 | Bale | 6.3 Ton/hr | 0.19 | 0.16 | 0.87 | D 0.41 | 1.18 | 2.46 | |
| 5 | Move Bales | 9 Ac/hr | 0.66 | 0.11 | 0.48 | D 0.14 | 4.26 | 4.88 | |
| 6 | Windrow | 5.7 Ac/hr | 0.22 | 0.18 | 0.97 | D 0.46 | 1.34 | 2.77 | |
| 7 | Bale | 6.3 Ton/hr | 0.19 | 0.16 | 0.87 | D 0.41 | 1.18 | 2.46 | |
| 8 | Move Bales | 9 Ac/hr | 0.66 | 0.11 | 0.48 | D 0.14 | 4.26 | 4.88 | |
| 9 | Windrow | 5.7 Ac/hr | 0.22 | 0.18 | 0.97 | D 0.46 | 1.34 | 2.77 | |
| 10 | Bale | 6.3 Ton/hr | 0.19 | 0.16 | 0.89 | D 0.42 | 1.18 | 2.49 | |
| 11 | Move Bales | 9 Ac/hr | 0.66 | 0.11 | 0.48 | D 0.14 | 4.26 | 4.88 | |
| Subtotal | | | 3.32 Hrs | | 7.41 | 3.16 | 20.43 | \$31.00 | |

Diesel 10.48 Gal @ \$0.65 \$6.81

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 18-46-0 | 1 | 65 lb | 0.11 | 7.15 | \$7.15 | |
| Chemicals Pounce 1/10 yr | 2 | 0.6 oz | 1.30 | 0.78 | 0.78 | |
| Custom Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 | |
| Other Twine | 4 | 1.3 bales | 0.40 | 0.52 | 0.52 | |
| | 7 | 1.3 bales | 0.40 | 0.52 | 0.52 | |
| | 10 | 1.3 bales | 0.40 | 0.52 | 0.52 | |
| Subtotal | | | | | \$12.74 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$43.74 | |
| Interest on Oper. Capital \$43.74 @ 8.3% for 8 Months | | | | | 2.42 | |
| Unpaid Labor 3.32 Hours \$6.00 /hr | | | | | 19.94 | |
| Total Operating Costs | | | | | \$66.10 | |

Projected Returns

Hay 3 Ton @
 Crop Residue 1 AUM @

Total Returns

Net Return above Operating Costs

D13

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Small Square
 3 Ton Alfalfa

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | Custom | | | | | | | |
| 2 | Spray 1/10yr | 10.2 Ac/hr | 0.12 | 0.10 | 0.43 | D 0.12 | 0.09 | 0.64 | |
| 3 | Windrow | 5.7 Ac/hr | 0.22 | 0.18 | 0.97 | D 0.46 | 1.34 | 2.77 | |
| 4 | Bale | 5.1 Ton/hr | 0.23 | 0.19 | 0.85 | D 0.24 | 0.72 | 1.81 | |
| 5 | Move Bales | Custom | | | | | | | |
| 6 | Windrow | 5.7 Ac/hr | 0.22 | 0.18 | 0.97 | D 0.46 | 1.34 | 2.77 | |
| 7 | Bale | 5.1 Ton/hr | 0.23 | 0.19 | 0.85 | D 0.24 | 0.72 | 1.81 | |
| 8 | Move Bales | Custom | | | | | | | |
| 9 | Windrow | 5.7 Ac/hr | 0.22 | 0.18 | 0.97 | D 0.46 | 1.34 | 2.77 | |
| 10 | Bale | 5.1 Ton/hr | 0.24 | 0.20 | 0.87 | D 0.25 | 0.75 | 1.87 | |
| 11 | Move Bales | Custom | | | | | | | |
| Subtotal | | | 1.46 Hrs | | 5.91 | 2.23 | 6.30 | \$14.44 | |

Diesel 8.31 Gal @ \$0.65 \$5.40

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 18-46-0 | 1 | 65 lh | 0.11 | 7.15 | \$7.15 | |
| Chemicals Pounce 1/10 yr | 2 | 0.6 oz | 1.30 | 0.78 | 0.78 | |
| Custom Spread Fert. | 1 | 1 ac | 3.25 | 3.25 | 3.25 | |
| Load & Stack | 5 | 1 stack | 9.71 | 9.71 | 9.71 | |
| Load & Stack | 8 | 1 stack | 9.71 | 9.71 | 9.71 | |
| Load & Stack | 11 | 1 stack | 9.71 | 9.71 | 9.71 | |
| Other Wire square | 4 | 75 bale | 0.17 | 12.75 | 12.75 | |
| Wire square | 7 | 75 bale | 0.17 | 12.75 | 12.75 | |
| Wire square | 10 | 75 bale | 0.17 | 12.75 | 12.75 | |
| Subtotal | | | | | \$78.56 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$93.00 | |
| Interest on Oper. Capital \$93.00 @ 8.3% for 8 Months | | | | | 5.15 | |
| Unpaid Labor 1.46 Hours \$6.00 /hr | | | | | 8.78 | |
| Total Operating Costs | | | | | \$106.93 | |

Projected Returns
 Alfalfa 3 Ton @
 Total Returns
 Net Return above Operating Costs

DESCRIPTION OF THE CROP BUDGETS FOR EAST CENTRAL NEBRASKA

The farms representing this area of Nebraska are considered to have flat to rolling soils of Sharpsburg-Marshall-Shelby types with Loess parent material. Both dryland and center pivot irrigated budgets are provided for crops produced in this region. Areas of the Platte Valley and the west part of the area may more resemble the production areas of central Nebraska.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost worksheets.

| EC 1994 Machinery List -- East Central Nebraska | | | | | | |
|---|---------------------------------------|--------|------------|----------------|----------|-----------|
| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 3 | Elec Pivot 281' head | 74,700 | 900 hr | 20 | 0 | 1.19/hr |
| 16 | Tractor 120 hp diesel cab | 61,289 | 500 hr | 10 | 18,103 | 3.06/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 600 hr | 10 | 19,370 | 3.93/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| Implements | | | | | | |
| 30 | Tandem Disc 20' | 14,485 | 1,000 ac | 15 | 1,390 | .52/ac |
| 36 | Field Cultivator 24' | 10,486 | 750 ac | 15 | 1,007 | .22/ac |
| 38 | Row Crop Cultivator 6 row x 30" | 3,803 | 750 ac | 10 | 672 | .26/ac |
| 58 | Grain Drill 16' hoe 2x8 10" spacing | 8,508 | 250 ac | 10 | 1,505 | .36/ac |
| 66 | Planter 6 row x 30" | 15,640 | 500 ac | 10 | 2,765 | 1.76/ac |
| 73 | Anhydrous Applicator 21' | 8,141 | 600 ac | 20 | 424 | .57/ac |
| 74 | Sprayer 300 gallon 15' pull-type | 3,100 | 600 ac | 20 | 151 | .19/ac |
| 77 | Sprayer 2-200 gallon 15' saddle tanks | 2,600 | 300 ac | 20 | 127 | .13/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 89 | 15' grain head | 17,251 | 760 ac | 10 | 3,255 | .78/ac |
| 95 | Swather/Conditioner 14' pull-type | 21,042 | 400 ac | 15 | 2,155 | .99/ac |
| 101 | Large Round Baler | 19,182 | 1,000 ton | 10 | 3,166 | 1.02/ton |
| 103 | Bale Wagon & Stacker 144 bales/loan | 22,150 | 200 ac | 15 | 2,134 | 3.53/ac |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 150 bu000 | 20 | 178 | .21/bu000 |
| 115 | Bean Bar 15' | 4,200 | 200 ac | 20 | 234 | .09/ac |

1994 Operations List* East Central Nebraska

| EC Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| All Irrig. | 3 | | 73.00 Kwh Elec | 1.3% |
| Apply Anhy | 17 | 73 | 7.70 Gal Diesel | 10% |
| Apply Anhy | 17 | Rent | 7.70 Gal Diesel | 10% |
| Auger | 16 | 111 | 6.10 Gal Diesel | 10% |
| Bale | 16 | 101 | 6.10 Gal Diesel | 10% |
| Bean Bar | 16 | 115 | 6.10 Gal Diesel | 10% |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 89 | 9.50 Gal Diesel | 10% |
| Cult | 16 | 38 | 6.10 Gal Diesel | 10% |
| Disc w/harrow | 17 | 30 | 7.70 Gal Diesel | 10% |
| Drill | 16 | 58 | 6.10 Gal Diesel | 10% |
| Dry | Custom | | | |
| Field Cult | 17 | 36 | 7.70 Gal Diesel | 10% |
| Field Stacker | Custom | | | |
| Move Bales | 17 | | 7.70 Gal Diesel | 10% |
| Plant | 16 | 66 | 6.10 Gal Diesel | 10% |
| Spray | Custom | | | |
| Spray in tandem | | 77 | | |
| Sprayer | 17 | 74 | 7.70 Gal Diesel | 10% |
| Spread Fert. | 17 | Rent | 7.70 Gal Diesel | 10% |
| Stack Bales | 16 | 103 | 6.10 Gal Diesel | 10% |
| Truck | Custom | | | |
| Windrow | 16 | 95 | 6.10 Gal Diesel | 10% |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, East Central Nebraska 1994

| Budget Crop Description | E2 Corn Grain Pivot Cont. | E3 Soybeans Irrig Pivot | E4 Corn Grain Dryland | E5 Corn Grain No-till | E6 Grain Sorghum Dryland | E7 Soybeans Dryland | E8 Soybeans ff Corn Reduced Till | E9 Wheat | E10 Alfalfa Estab Fall | E11 Alfalfa Estab Spring | E12 Alfalfa Hay Large Round | E13 Alfalfa Hay Field Stacker | E14 Oats Dryland |
|-------------------------------|---------------------------------------|----------------------------------|--------------------------------|--------------------------------|-----------------------------------|---------------------------|--|-------------|---------------------------------|-----------------------------------|---|---|------------------------|
| Yield | 145.0 Bu | 50.0 Bu | 100.0 Bu | 100.0 Bu | 80.0 Bu | 40.0 Bu | 40.0 Bu | 45.0 Bu | | 1.5 Ton | 3.5 Ton | 3.5 Ton | 70.0 Bu |
| Mgt Fee/unit | \$0.10 | \$0.30 | \$0.10 | \$0.10 | \$0.10 | \$0.30 | \$0.30 | \$0.15 | \$2.00 | \$2.00 | \$2.00 | \$2.00 | \$0.08 |
| Land Invest. | \$1,100 | \$1,100 | \$920 | \$920 | \$920 | \$920 | \$920 | \$920 | \$920 | \$920 | \$920 | \$920 | \$920 |
| Unimp. | 798 | 798 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 |
| Irrig | 302 | 302 | | | | | | | | | | | |
| Mach Invest | \$223.08 | \$200.43 | \$203.14 | \$172.29 | \$189.54 | \$200.43 | \$180.33 | \$182.96 | \$84.56 | \$218.42 | \$288.80 | \$126.34 | \$172.12 |
| Op Cost/ac | \$196.30 | \$93.24 | \$113.05 | \$103.31 | \$56.95 | \$66.88 | \$71.63 | \$58.11 | \$62.62 | \$98.83 | \$48.97 | \$81.27 | \$62.93 |
| Overhead | \$9.82 | \$4.66 | \$5.65 | \$5.17 | \$2.85 | \$3.34 | \$3.58 | \$2.91 | \$3.13 | \$4.94 | \$2.45 | \$4.06 | \$3.15 |
| Unpaid Mgt | \$14.50 | \$15.00 | \$10.00 | \$10.00 | \$8.00 | \$12.00 | \$12.00 | \$6.75 | | \$3.00 | \$7.00 | \$7.00 | \$5.60 |
| RE Taxes | \$15.00 | \$15.00 | \$12.00 | \$12.00 | \$12.00 | \$12.00 | \$12.00 | \$12.00 | | \$12.00 | \$12.00 | \$12.00 | \$12.00 |
| Land Interest | 46.28 | 46.28 | 53.36 | 53.36 | 53.36 | 53.36 | 53.36 | 53.36 | | 53.36 | 53.36 | 53.36 | 53.36 |
| Irrig Interest | 20.84 | 20.84 | | | | | | | | | | | |
| Irrig Deprec | 30.00 | 30.00 | | | | | | | | | | | |
| Land Subtotal | \$112.12 | \$112.12 | \$65.36 | \$65.36 | \$65.36 | \$65.36 | \$65.36 | \$65.36 | | \$65.36 | \$65.36 | \$65.36 | \$65.36 |
| Mach. Interest | \$15.39 | \$13.83 | \$14.02 | \$11.89 | \$13.08 | \$13.83 | \$12.44 | \$12.62 | \$5.83 | \$15.07 | \$19.93 | \$8.72 | \$11.88 |
| Mach. Deprec | 27.90 | 24.71 | 25.65 | 22.27 | 23.81 | 24.71 | 22.60 | 22.94 | 9.84 | 24.92 | 32.75 | 13.72 | 21.87 |
| Mach. Subtotal | \$43.29 | \$38.54 | \$39.67 | \$34.16 | \$36.89 | \$38.54 | \$35.04 | \$35.56 | \$15.67 | \$39.99 | \$52.68 | \$22.44 | \$33.75 |
| Total Owner Cost | \$155.41 | \$150.66 | \$105.03 | \$99.52 | \$102.25 | \$103.90 | \$100.40 | \$100.92 | \$15.67 | \$105.35 | \$118.04 | \$87.80 | \$99.11 |
| Estab Costs | | | | | | | | | | | \$20.36 | \$20.36 | |
| Total Cost/ac | \$376.03 | \$263.56 | \$233.73 | \$217.99 | \$170.05 | \$186.12 | \$187.61 | \$168.69 | \$81.43 | \$212.12 | \$196.81 | \$200.49 | \$170.78 |
| Total Cost/unit | \$2.59 | \$5.27 | \$2.34 | \$2.18 | \$2.13 | \$4.65 | \$4.69 | \$3.75 | | \$141.41 | \$56.23 | \$57.28 | \$2.44 |

E2

Returns Above Operating Costs Budget Worksheet

Cont. Corn, Pivot Irrig, Elec, 281' Head

10 Acre-inches 145 Bu Corn

Cost per Acre

| Operation # | Description | Operation Rate | Hrs per Acre | | Fuel & Lube | Repairs Power | Impl | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|-------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | | | | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | | 1.52 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 7 | All Irrig. | 800 GPM | 0.34 | 5.61 | 31.02 E | 6.68 | | 37.70 | |
| 8 | Spray | Custom | | | | | | | |
| 9 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 1.5 | 7.96 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.07 | 0.06 | 0.25 D | 0.18 | 0.03 | 0.46 | |
| 12 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.90 Hrs | | 37.84 | 14.61 | 4.55 | \$57.00 | |

Diesel 9.5I Gal @ \$0.65 \$6.18

Electricity 409.53 KWH @ \$0.075 \$30.71

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub- Total | Your Estimate |
|---|--------------|------------------|-------------------|------------------|------------------|---------------|------------------|
| Seed | Corn | 4 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy N | 2 | 140 lb. N | 0.12 | 16.80 | 16.80 | |
| | 10-34-0 | 4 | 6 gal | 1.22 | 7.32 | 7.32 | |
| Chemicals | Bicep | 4 | 1.5 qt | 8.13 | 12.20 | 12.20 | |
| | Counter 15G | 4 | 8.9 lb | 1.64 | 14.60 | 14.60 | |
| | Furadan 1/3 | 8 | 2.211 lb | 1.70 | 3.76 | 3.76 | |
| Custom | Aerial spray | 8 | 1 ac | 4.00 | 4.00 | 4.00 | |
| | Truck | 10 | 145 bu | 0.12 | 17.40 | 17.40 | |
| | Dryer | 12 | 145 bu | 0.10 | 14.50 | 14.50 | |
| Rental | Anhy Applic | 2 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | | \$118.22 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$175.22 | |
| Interest on Oper. Capital \$175.22 @ 8.3% for 8 Months | | | | | | 9.70 | |
| Unpaid Labor 1.90 Hours \$6.00 /hr | | | | | | 11.38 | |
| Total Operating Costs | | | | | | \$196.30 | |
| Projected Returns | | | | | | | |
| Corn | | | 145 Bu | @ | | | |
| Crop Residue | | | 3 AUM | @ | | | |
| Total Returns | | | | | | | |
| Net Return above Operating Costs | | | | | | | |

E3

Returns Above Operating Costs Budget Worksheet
 Soybeans, Pivot Irrig, Elect, 281' Head
 6 Acre-inches 50 Bu Soybeans

Cost per Acre

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Spray in tandem | 9.62 Ac/hr | | 0.10 | | | 0.13 | 0.13 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Bean Bar | 7.88 Ac/hr | 0.16 | 0.13 | 0.55 D | 0.39 | 0.09 | 1.03 | |
| 7 | All Irrig. | 800 GPM | 0.20 | 3.37 | 18.61 E | 4.01 | | 22.62 | |
| 8 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 9 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.43 Hrs | | 24.02 | 10.94 | 3.76 | \$38.72 | |

Diesel 7.54 Gal @ \$0.65 \$4.90
 Electricity 246.01 KWH @ \$0.075 \$18.45

| Materials & Services | | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------|---------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Soybeans | 4 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals | Sencor DF | 2 | 0.5 lb | 25.96 | 12.98 | 12.98 | |
| | Treflan | 2 | 1.5 pt | 4.14 | 6.21 | 6.21 | |
| | Roundup | 6 | 0.33 pt | 5.77 | 1.90 | 1.90 | |
| Custom | Truck | 9 | 50 bu | 0.12 | 6.00 | 6.00 | |
| Subtotal | | | | | | \$41.52 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$80.24 | |
| Interest on Oper. Capital \$80.24 @ 8.3% for 8 Months | | | | | | 4.44 | |
| Unpaid Labor 1.43 Hours \$6.00 /hr | | | | | | 8.56 | |
| Total Operating Costs | | | | | | \$93.24 | |

Projected Returns
 Soybeans 50 Bu @
 Total Returns
 Net Return above Operating Costs

E4

Returns Above Operating Costs Budget Worksheet
 Cont. Corn, Dryland
 100 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|-----------------|----------------|-------------------|---------------|---------------|-----------------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | | 1.52 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Spray | Custom | | | | | | | |
| 7 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 1.5 | 7.96 | |
| 8 | Truck | Custom | | | | | | | |
| 9 | Auger | 2500 Bu/hr | 0.05 | 0.04 | 0.17 D | 0.12 | 0.02 | 0.31 | |
| 10 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.31 Hrs | | 5.92 | 7.29 | 4.28 | \$17.49 | |
| Diesel | | | 8.23 Gal @ \$0.65 | | \$5.35 | | | | |
| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | | | |
| Seed | Corn | 4 | 0.25 bag | 79.23 | 19.81 | \$19.81 | | | |
| Fertilizer | Anhy N | 2 | 100 lb. N | 0.12 | 12.00 | 12.00 | | | |
| Chemicals | Atrazine 90 DF | 4 | 1.5 lb | 3.02 | 4.53 | 4.53 | | | |
| | Counter 15G | 4 | 8.9 lb | 1.64 | 14.60 | 14.60 | | | |
| | Furadan 1/3 Yr. | 6 | 2.211 lb | 1.70 | 3.76 | 3.76 | | | |
| Custom | Aerial Spray | 6 | 1 ac | 4.00 | 4.00 | 4.00 | | | |
| | Truck | 8 | 100 bu | 0.12 | 12.00 | 12.00 | | | |
| | Dryer | 10 | 100 bu | 0.10 | 10.00 | 10.00 | | | |
| Rental | Anhy Applic | 2 | 1 ac | 1.50 | 1.50 | 1.50 | | | |
| Subtotal | | | | | | \$82.19 | | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$99.68 | | | |
| Interest on Oper. Capital | | | | | | \$99.68 @ 8.3% for 8 Months | 5.52 | | |
| Unpaid Labor | | | | | | 1.31 Hours @ \$6.00 /hr | 7.85 | | |
| Total Operating Costs | | | | | | \$113.05 | | | |
| Projected Returns | | | | | | | | | |
| Corn | | | 100 Bu | @ | | | | | |
| Crop Residue | | | 2.5 AUM | @ | | | | | |
| Total Returns | | | | | | | | | |
| Net Return above Operating Costs | | | | | | | | | |

E5 Returns Above Operating Costs Budget Worksheet
 No-till Corn in Soybean Residue
 10 Acre-inches 100 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 | D 0.63 | | 1.52 | |
| 2 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.62 | 1.76 | 3.27 | |
| 3 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.26 | 1.66 | |
| 4 | Spray | Custom | | | | | | | |
| 5 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 | D 4.49 | 1.5 | 7.96 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.05 | 0.04 | 0.17 | D 0.12 | 0.02 | 0.31 | |
| 8 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.06 Hrs | | 4.74 | 6.44 | 3.54 | \$14.72 | |

Diesel 6.61 Gal @ \$0.65 \$4.30

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 2 0.25 bag | 79.23 | 19.81 | \$19.81 | |
| Fertilizer | Anhy N | 1 60 lb. N | 0.12 | 7.20 | 7.20 | |
| Chemicals | Atrazine 90 DF | 2 2 lb | 3.02 | 6.04 | 6.04 | |
| | Lasso 4EC | 2 2 qt | 6.43 | 12.86 | 12.86 | |
| | Furadan 1/3 Yr. | 4 2.211 lb | 1.70 | 3.76 | 3.76 | |
| Custom | Aerial Spray | 4 1 ac | 4.00 | 4.00 | 4.00 | |
| | Truck | 6 100 bu | 0.12 | 12.00 | 12.00 | |
| | Dryer | 8 100 bu | 0.10 | 10.00 | 10.00 | |
| Rental | Anhy Applic | 1 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$77.17 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$91.89 | |
| Interest on Oper. Capital \$91.89 @ 8.3% for 8 Months | | | | | 5.08 | |
| Unpaid Labor 1.06 Hours \$6.00 /hr | | | | | 6.34 | |
| Total Operating Costs | | | | | \$103.31 | |

Projected Returns

Corn 100 Bu @
 Crop Residue 2.5 AUM @

Total Returns

Net Return above Operating Costs

E6

Returns Above Operating Costs Budget Worksheet
 Grain Sorghum, Dryland
 80 Bu Grain Sorghum

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | | 1.52 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.14 D | 0.10 | 0.02 | 0.26 | |
| Subtotal | | | 1.30 Hrs | | 5.89 | 7.27 | 3.56 | \$16.72 | |
| Diesel | | 8.17 Gal @ \$0.65 | \$5.31 | | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 4 | 5 lb | 0.87 | 4.35 | \$4.35 | |
| Fertilizer Anhy N | 2 | 60 lb. N | 0.12 | 7.20 | 7.20 | |
| Chemicals Lariat | 4 | 1.5 qt | 4.81 | 7.22 | 7.22 | |
| Custom Truck | 7 | 80 bu | 0.12 | 9.60 | 9.60 | |
| Rental Anhy Applic | 2 | 1 ac | 1.50 | 1.50 | 1.50 | |
| Subtotal | | | | | \$29.87 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$46.59 | |
| Interest on Oper. Capital \$46.59 @ 8.3% for 8 Months | | | | | 2.58 | |
| Unpaid Labor 1.30 Hours \$6.00 /hr | | | | | 7.78 | |
| Total Operating Costs | | | | | \$56.95 | |
| Projected Returns | | | | | | |
| Grain Sorghum | | 80 Bu | @ | | | |
| Crop Residue | | 2 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

E7

Returns Above Operating Costs Budget Worksheet
Soybeans, Dryland

40 Bu Soybeans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 | D 0.41 | 0.52 | 1.50 | |
| 2 | Spray in tandem | 9.62 Ac/hr | | 0.10 | | | 0.13 | 0.13 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 | D 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.62 | 1.76 | 3.27 | |
| 5 | Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.26 | 1.66 | |
| 6 | Bean Bar | 7.88 Ac/hr | 0.16 | 0.13 | 0.55 | D 0.39 | 0.09 | 1.03 | |
| 7 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 | D 4.49 | 0.78 | 7.24 | |
| 8 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.22 Hrs | | 5.41 | 6.93 | 3.76 | \$16.10 | |

Diesel 7.54 Gal @ \$0.65 \$4.90

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Soybeans | 4 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals Sencor DF | 2 | 0.5 lb | 25.96 | 12.98 | 12.98 | |
| Treflan | 2 | 1.5 pt | 4.14 | 6.21 | 6.21 | |
| Roundup | 6 | 0.33 pt | 5.77 | 1.90 | 1.90 | |
| Custom Truck | 8 | 40 bu | 0.12 | 4.80 | 4.80 | |
| Subtotal | | | | | \$40.32 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$56.42 | |
| Interest on Oper. Capital \$56.42 @ 8.3% for 8 Months | | | | | 3.12 | |
| Unpaid Labor 1.22 Hours \$6.00 /hr | | | | | 7.34 | |
| Total Operating Costs | | | | | \$66.88 | |

Projected Returns

Soybeans 40 Bu @

Total Returns

Net Return above Operating Costs

E8

Returns Above Operating Costs Budget Worksheet
Soybeans following Corn, Reduced Till
40 Bu Soybeans

| Operation # Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | | | Your Estimate |
|----------------------------|-------------------|--------------|--------|----------------|---------|------|---------------|--|------------------|
| | | Labor | Mach | Fuel & Lube | Repairs | | Sub- Total | | |
| | | | | | Power | Impl | | | |
| 1 Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | | |
| 2 Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | | |
| 3 Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | | |
| 4 Bean Bar | 7.88 Ac/hr | 0.16 | 0.13 | 0.55 D | 0.39 | 0.09 | 1.03 | | |
| 5 Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | | |
| 6 Truck | Custom | | | | | | | | |
| Subtotal | | 1.09 Hrs | | 4.80 | 6.49 | 3.41 | \$14.70 | | |
| Diesel | 6.70 Gal @ \$0.65 | | \$4.35 | | | | | | |

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub- Total | Your Estimate |
|---|------------------|-----------------------------|------------------|------------------|---------------|------------------|
| Seed Soybeans | 2 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals Lasso 4EC | 2 | 2 qt | 6.43 | 12.86 | 12.86 | |
| Sencor DF | 2 | 0.5 lb | 25.96 | 12.98 | 12.98 | |
| Roundup | 4 | 0.33 pt | 5.77 | 1.90 | 1.90 | |
| Custom Truck | 6 | 40 bu | 0.12 | 4.80 | 4.80 | |
| Subtotal | | | | | \$46.97 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$61.67 | |
| Interest on Oper. Capital | | \$61.67 @ 8.3% for 8 Months | | | 3.41 | |
| Unpaid Labor | | 1.09 Hours @ \$6.00 /hr | | | 6.55 | |
| Total Operating Costs | | | | | \$71.63 | |
| Projected Returns | | | | | | |
| Soybeans | | 40 Bu | | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

Returns Above Operating Costs Budget Worksheet

E9

Wheat

45 Bu Wheat

Cost per Acre

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | 0.57 | 2.09 | |
| 3 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 4 | Drill | 3.52 Ac/hr | 0.34 | 0.28 | 1.24 D | 0.87 | 0.36 | 2.47 | |
| 5 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 6 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.12 Hrs | | 5.24 | 6.81 | 2.75 | \$14.80 | |

Diesel 7.24 Gal @ \$0.65 \$4.70

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Wheat | 4 | 75 lb | 0.17 | 12.75 | \$12.75 | |
| Fertilizer Anhy N | 2 | 50 lb. N | 0.12 | 6.00 | 6.00 | |
| 10-34-0 | 2 | 8 gal | 1.22 | 9.76 | 9.76 | |
| Custom Truck | 6 | 45 bu | 0.12 | 5.40 | 5.40 | |
| Subtotal | | | | | \$33.91 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$48.71 | |
| Interest on Oper. Capital \$48.71 @ 8.3% for 8 Months | | | | | 2.70 | |
| Unpaid Labor 1.12 Hours \$6.00 /hr | | | | | 6.70 | |
| Total Operating Costs | | | | | \$58.11 | |
| Projected Returns | | | | | | |
| Wheat | | | 45 Bu | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

E10

Returns Above Operating Costs Budget Worksheet
Alfalfa Establishment, fall seeded

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|---|---------------|--------------------------|----------------|--------|---------------|---------------|-----------|---------------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Spread Fert. | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | | 1.52 | |
| 3 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 4 | Drill | 3.52 Ac/hr | 0.34 | 0.28 | 1.24 D | 0.87 | 0.36 | 2.47 | |
| Subtotal | | | 0.77 Hrs | | 3.27 | 2.32 | 1.40 | \$6.99 | |
| Diesel | | 4.48 Gal @ \$0.65 \$2.91 | | | | | | | |
| Materials & Services | | Operation # | Units per Acre | | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | |
| Seed | Alfalfa | 4 | 12 | lb | 3.44 | 41.28 | \$41.28 | | |
| Fertilizer | 0-46-0 | 2 | 30 | lb.P20 | 0.19 | 5.70 | 5.70 | | |
| Rental | Spread Fert. | 2 | 1 | ac | 1.00 | 1.00 | 1.00 | | |
| Subtotal | | | | | | | \$47.98 | | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | | \$54.97 | | |
| Interest on Oper. Capital | | | \$54.97 @ 8.3% | | for 8 Months | | 3.04 | | |
| Unpaid Labor | | | 0.77 Hours | | \$6.00 /hr | | 4.61 | | |
| Total Operating Costs | | | | | | | \$62.62 | | |

E11

Returns Above Operating Costs Budget Worksheet
 Alfalfa Establishment, spring seeded w/herbicide
 1.5 Ton Alfalfa

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.34 D | 0.25 | | 0.59 | |
| 2 | Sprayer | 9.85 Ac/hr | 0.12 | 0.10 | 0.56 D | 0.40 | 0.19 | 1.15 | |
| 3 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 4 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 5 | Drill | 3.93 Ac/hr | 0.30 | 0.25 | 1.11 D | 0.78 | 0.36 | 2.25 | |
| 6 | Windrow | 3.6 Ac/hr | 0.34 | 0.28 | 1.21 D | 0.85 | 0.99 | 3.05 | |
| 7 | Bale | 2.52 Ton/hr | 0.36 | 0.30 | 1.30 D | 0.91 | 0.77 | 2.98 | |
| 8 | Move Bales | 10 Ac/hr | 0.12 | 0.10 | 0.55 D | 0.39 | | 0.94 | |
| 9 | Windrow | 3.6 Ac/hr | 0.34 | 0.28 | 1.21 D | 0.85 | 0.99 | 3.05 | |
| 10 | Bale | 2.52 Ton/hr | 0.36 | 0.30 | 1.30 D | 0.91 | 0.77 | 2.98 | |
| 11 | Move Bales | 10 Ac/hr | 0.12 | 0.10 | 0.55 D | 0.39 | | 0.94 | |
| Subtotal | | | 2.38 Hrs | | 9.31 | 6.58 | 4.81 | \$20.70 | |

Diesel 12.99 Gal @ \$0.65 \$8.44

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Alfalfa | 5 | 12 lb | 3.44 | 41.28 | \$41.28 | |
| Fertilizer 0-46-0 | 1 | 30 lb.P20 | 0.19 | 5.70 | 5.70 | |
| Chemicals Eptam 7E | 2 | 3 pt | 3.42 | 10.26 | 10.26 | |
| Rental Spread Fert. | 1 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Other Twine rd bale | 7 | 1 bales | 0.40 | 0.40 | 0.40 | |
| | 10 | 2 bales | 0.40 | 0.80 | 0.80 | |
| Subtotal | | | | | \$59.44 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$80.14 | |
| Interest on Oper. Capital \$80.14 @ 8.3% for 8 Months | | | | | 4.43 | |
| Unpaid Labor 2.38 Hours \$6.00 /hr | | | | | 14.26 | |
| Total Operating Costs | | | | | \$98.83 | |

Projected Returns

Alfalfa 1.5 Ton @

Total Returns

Net Return above Operating Costs

E12

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Large Round Bales
 3.5 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.34 | D 0.25 | | 0.59 | |
| 2 | Windrow | 3.6 Ac/hr | 0.34 | 0.28 | 1.21 | D 0.85 | 0.99 | 3.05 | |
| 3 | Bale | 3.92 Ton/hr | 0.35 | 0.29 | 1.29 | D 0.90 | 1.16 | 3.35 | |
| 4 | Move Bales | 10 Ac/hr | 0.12 | 0.10 | 0.55 | D 0.39 | | 0.94 | |
| 5 | Windrow | 3.6 Ac/hr | 0.34 | 0.28 | 1.21 | D 0.85 | 0.99 | 3.05 | |
| 6 | Bale | 3.92 Ton/hr | 0.35 | 0.29 | 1.29 | D 0.90 | 1.16 | 3.35 | |
| 7 | Move Bales | 10 Ac/hr | 0.12 | 0.10 | 0.55 | D 0.39 | | 0.94 | |
| 8 | Windrow | 3.6 Ac/hr | 0.34 | 0.28 | 1.21 | D 0.85 | 0.99 | 3.05 | |
| 9 | Bale | 3.92 Ton/hr | 0.36 | 0.30 | 1.32 | D 0.93 | 1.2 | 3.45 | |
| 10 | Move Bales | 10 Ac/hr | 0.12 | 0.10 | 0.55 | D 0.39 | | 0.94 | |
| Subtotal | | | 2.50 Hrs | | 9.52 | 6.70 | 6.49 | \$22.71 | |

Diesel 13.26 Gal @ \$0.65 \$8.62

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 0-46-0 | 1 | 30 lb.P20 | 0.19 | 5.70 | \$5.70 | |
| Rental Spread Fert. | 1 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Other Twine rd bale | 3 | 3 bales | 0.40 | 1.20 | 1.20 | |
| Twine rd bale | 6 | 2 bales | 0.40 | 0.80 | 0.80 | |
| Twine rd bale | 9 | 2 bales | 0.40 | 0.80 | 0.80 | |
| Subtotal | | | | | \$9.50 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$32.21 | |
| Interest on Oper: Capital \$32.21 @ 8.3% for 8 Months | | | | | 1.78 | |
| Unpaid Labor 2.50 Hours \$6.00 /hr | | | | | 14.98 | |
| Total Operating Costs | | | | | \$48.97 | |
| Projected Returns | | | | | | |
| Hay | | | 3.5 Ton | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

E13

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Field Stacker
 3.5 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|--------------------|--------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| | | | | | | | | | |
| 1 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.34 D | 0.25 | 0.59 | | |
| 2 | Windrow | 6.82 Ac/hr | 0.18 | 0.15 | 0.64 D | 0.45 0.99 | 2.08 | | |
| 3 | Field Stacker | Custom | | | | | | | |
| 4 | Windrow | 6.82 Ac/hr | 0.18 | 0.15 | 0.64 D | 0.45 0.99 | 2.08 | | |
| 5 | Field Stacker | Custom | | | | | | | |
| 6 | Windrow | 6.82 Ac/hr | 0.18 | 0.15 | 0.64 D | 0.45 0.99 | 2.08 | | |
| 7 | Field Stacker | Custom | | | | | | | |
| 8 | Move | Custom | | | | | | | |
| Subtotal | | | 0.61 Hrs | | 2.26 | 1.60 2.97 | \$6.83 | | |
| Diesel | | 3.21 Gal @ \$0.65 | | \$2.08 | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 0-46-0 | 1 | 30 lb.P20 | 0.19 | 5.70 | \$5.70 | |
| Custom Field Stack | 3 | 1 stack | 10.00 | 10.00 | 10.00 | |
| Field Stack | 5 | 1 stack | 10.00 | 10.00 | 10.00 | |
| Field Stack | 7 | 1 stack | 10.00 | 10.00 | 10.00 | |
| Stack Mover | 8 | 3 stack | 10.00 | 30.00 | 30.00 | |
| Rental Spread Fert. | 1 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Subtotal | | | | | \$66.70 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$73.53 | |
| Interest on Oper. Capital \$73.53 @ 8.3% for 8 Months | | | | | 4.07 | |
| Unpaid Labor 0.61 Hours \$6.00 /hr | | | | | 3.67 | |
| Total Operating Costs | | | | | \$81.27 | |
| Projected Returns | | | | | | |
| Hay | | | 3.5 Ton | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

E14

Returns Above Operating Costs Budget Worksheet
Oats, Dryland

70 Bu Oats

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 9.62 Ac/hr | 0.12 | 0.10 | 0.57 D | 0.41 | 0.52 | 1.50 | |
| 2 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.34 D | 0.25 | | 0.59 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Drill | 3.52 Ac/hr | 0.34 | 0.28 | 1.24 D | 0.87 | 0.36 | 2.47 | |
| 5 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 6 | Truck | Custom | | | | | | | |
| 7 | Auger | 2500 Bu/hr | 0.04 | 0.03 | 0.12 D | 0.09 | 0.02 | 0.23 | |
| Subtotal | | | 1.04 Hrs | | 4.85 | 6.55 | 1.90 | \$13.30 | |

Diesel 6.73 Gal @ \$0.65 \$4.37

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Oats | 4 | 2.3 bu | 5.00 | 11.50 | \$11.50 | |
| Fertilizer 0-46-0 | 2 | 30 lb.P20 | 0.19 | 5.70 | 5.70 | |
| 46-0-0 | 2 | 60 lb. N | 0.23 | 13.80 | 13.80 | |
| Custom Truck | 6 | 70 bu | 0.12 | 8.40 | 8.40 | |
| Rental Spread Fert. | 2 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Subtotal | | | | | \$40.40 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$53.70 | |
| Interest on Oper. Capital \$53.70 @ 8.3% for 8 Months | | | | | 2.97 | |
| Unpaid Labor 1.04 Hours \$6.00 /hr | | | | | 6.26 | |
| Total Operating Costs | | | | | \$62.93 | |

Projected Returns

Oats 70 Bu @

Total Returns

Net Return above Operating Costs

DESCRIPTION OF THE CROP BUDGETS FOR SOUTHEAST NEBRASKA

The farms representing this area of Nebraska are flat to rolling hills of Loess parent materials consisting of Crete, Wymore, Sharpsburg, Marshall and Pawnee soil associations.

Items of machinery used are listed below along with use levels and cost assumptions. Tooling and cost assumptions for each operation are also listed. A summary table providing total cost estimates precedes the operating cost budget worksheets.

| SE 1994 Machinery List -- Southeastern Nebraska | | | | | | |
|---|----------------------------------|--------|------------|----------------|----------|-----------|
| Mcode | Machine | Price | Annual Use | Years to Trade | Trade in | Repairs |
| Power Units | | | | | | |
| 4 | Diesel Pivot 281' head | 80,600 | 900 hr | 17 | 0 | 1.66/hr |
| 16 | Tractor 120 hp diesel cab | 61,289 | 500 hr | 10 | 18,103 | 3.06/hr |
| 17 | Tractor 150 hp diesel cab | 65,573 | 600 hr | 10 | 19,370 | 3.93/hr |
| 84 | Combine 185 hp | 90,000 | 200 hr | 10 | 16,977 | 15.44/hr |
| Implements | | | | | | |
| 30 | Tandem Disc 20' | 14,485 | 1,000 ac | 15 | 1,390 | .52/ac |
| 36 | Field Cultivator 24' | 10,486 | 750 ac | 15 | 1,007 | .22/ac |
| 38 | Row Crop Cultivator 6 row x 30" | 3,803 | 750 ac | 10 | 672 | .26/ac |
| 62 | Grain Drill 16' disk | 7,890 | 250 ac | 15 | 757 | .52/ac |
| 66 | Planter 6 row x 30" | 15,640 | 500 ac | 10 | 2,765 | 1.76/ac |
| 73 | Anhydrous Applicator 21' | 8,141 | 600 ac | 20 | 424 | .57/ac |
| 75 | Sprayer 500 gallon 40' pull-type | 4,780 | 450 ac | 20 | 232 | .07/ac |
| 87 | 6 row corn head | 33,562 | 760 ac | 10 | 6,331 | 1.50/ac |
| 89 | 15' grain head | 17,251 | 760 ac | 10 | 3,255 | .78/ac |
| 111 | Grain Auger 8" X 66' PTO | 3,216 | 150 bu000 | 20 | 178 | .21/bu000 |
| 115 | Bean Bar 15' | 4,200 | 200 ac | 20 | 234 | .09/ac |

1994 Operations List* Southeastern Nebraska

| SE Operation | Power Code | Imp Code | Energy/hr | % Lube |
|-----------------|---------------|-------------|-----------------|-----------|
| All Irrig. | 4 | | 5.20 Gal Diesel | 10% |
| Apply Anhy | 17 | 73 | 7.70 Gal Diesel | 10% |
| Auger | 16 | 111 | 6.10 Gal Diesel | 10% |
| Bale | Custom | | | |
| Bar | 16 | 115 | 6.10 Gal Diesel | 10% |
| Blow | 17 | | 7.70 Gal Diesel | 10% |
| Broad. Spray | 16 | 75 | 6.10 Gal Diesel | 10% |
| Chop | Custom | | | |
| Combine | 84 | 87 | 9.50 Gal Diesel | 10% |
| Combine | 84 | 89 | 9.50 Gal Diesel | 10% |
| Disc w/harrow | 17 | 30 | 7.70 Gal Diesel | 10% |
| Drill Grain 1/2 | 16 | 62 | 6.10 Gal Diesel | 10% |
| Dry | Custom | | | |
| Field Cult | 17 | 36 | 7.70 Gal Diesel | 10% |
| Move Bales | Custom | | | |
| Pack | 17 | | 7.70 Gal Diesel | 10% |
| Plant | 16 | 66 | 6.10 Gal Diesel | 10% |
| Row Crop Cult | 16 | 38 | 6.10 Gal Diesel | 10% |
| Spread Fert. | 16 | | 6.10 Gal Diesel | 10% |
| Truck | Custom | | | |
| Windrow | Custom | | | |

*See previous page for power unit that corresponds to power code and implement code. The % lube is lube charge as a percentage of the fuel cost.

Budgeted Production Costs Summary, Southeast Nebraska 1994

| Budget | E16 | E17 | E18 | E19 | E20 | E21 | E22 | E23 |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Crop | Corn | Corn | Corn | Grain | Sorghum | Soybeans | Wheat | Alfalfa |
| Description | Grain | Silage | Grain | Sorghum | Silage | Dryland | | Hay |
| | Pivot | Pivot | Dryland | Dryland | Dryland | | | Large |
| | Cont. | | | | | | | Round |
| Yield | 145.0 Bu | 20.0 Ton | 90.0 Bu | 90.0 Bu | 14.0 Ton | 40.0 Bu | 45.0 Bu | 3.0 Ton |
| Mgt Fee/unit | \$0.10 | \$0.50 | \$0.10 | \$0.10 | \$0.50 | \$0.30 | \$0.15 | \$2.00 |
| Land Invest. | \$900 | \$900 | \$750 | \$750 | \$750 | \$750 | \$750 | \$750 |
| Unimp. | 572 | 572 | 750 | 750 | 750 | 750 | 750 | 750 |
| Irrig | 328 | 328 | | | | | | |
| Mach Invest | \$229.52 | \$159.63 | \$209.16 | \$196.41 | \$117.56 | \$208.22 | \$179.78 | \$4.95 |
| Op Cost/ac | \$177.98 | \$221.16 | \$94.57 | \$59.49 | \$109.47 | \$63.67 | \$61.50 | \$57.06 |
| Overhead | \$8.90 | \$11.06 | \$4.73 | \$2.97 | \$5.47 | \$3.18 | \$3.08 | \$2.85 |
| Unpaid Mgt | \$14.50 | \$10.00 | \$9.00 | \$9.00 | \$7.00 | \$12.00 | \$6.75 | \$6.00 |
| RE Taxes | \$13.00 | \$13.00 | \$10.00 | \$10.00 | \$10.00 | \$10.00 | \$10.00 | \$10.00 |
| Land Interest | 33.18 | 33.18 | 43.50 | 43.50 | 43.50 | 43.50 | 43.50 | 43.50 |
| Irrig Interest | 22.63 | 22.63 | | | | | | |
| Irrig Deprec | 36.00 | 36.00 | | | | | | |
| Land Subtotal | \$104.81 | \$104.81 | \$53.50 | \$53.50 | \$53.50 | \$53.50 | \$53.50 | \$53.50 |
| Mach. Interest | \$15.84 | \$11.01 | \$14.43 | \$13.55 | \$8.11 | \$14.37 | \$12.40 | \$0.34 |
| Mach. Deprec | 28.46 | 18.01 | 26.16 | 24.42 | 13.34 | 25.55 | 21.99 | 0.54 |
| Mach. Subtotal | \$44.30 | \$29.02 | \$40.59 | \$37.97 | \$21.45 | \$39.92 | \$34.39 | \$0.88 |
| Total Owner Cost | \$149.10 | \$133.83 | \$94.09 | \$91.47 | \$74.95 | \$93.42 | \$87.89 | \$54.38 |
| Estab Costs | | | | | | | | \$20.36 |
| Total Cost/ac | \$350.48 | \$376.05 | \$202.39 | \$162.94 | \$196.90 | \$172.27 | \$159.22 | \$140.65 |
| Total Cost/unit | \$2.42 | \$18.80 | \$2.25 | \$1.81 | \$14.06 | \$4.31 | \$3.54 | \$46.88 |

E16

Returns Above Operating Costs Budget Worksheet
 Cont. Corn, Pivot Irrig, Diesel, 281' Head
 8 Acre-inches 145 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|--------------------|--------------|---------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | 0.57 | 2.09 | |
| 2 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.52 | 1.41 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 7 | Broad. Spray | Custom | | | | | | | |
| 8 | All Irrig. | 800 GPM | 0.27 | 4.49 | 16.69 D | 7.45 | | 24.14 | |
| 9 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 1.5 | 7.96 | |
| 10 | Truck | Custom | | | | | | | |
| 11 | Auger | 2500 Bu/hr | 0.07 | 0.06 | 0.25 D | 0.18 | 0.03 | 0.46 | |
| 12 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.82 Hrs | | 23.46 | 15.34 | 5.12 | \$43.92 | |
| Diesel | | 32.78 Gal @ \$0.65 | | \$21.31 | | | | | |

| Materials & Services | Opera-tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-----------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 | 0.33 bag | 79.23 | 26.15 | \$26.15 |
| Fertilizer | Anhy N | 1 | 140 lb. N | 0.12 | 16.80 | 16.80 |
| | 18-46-0 | 4 | 50 lb | 0.11 | 5.50 | 5.50 |
| Chemicals | Bicep | 4 | 1.5 qt | 8.13 | 12.20 | 12.20 |
| | Counter 15G | 4 | 8.9 lb | 1.64 | 14.60 | 14.60 |
| | Furadan 1/3 Yr | 7 | 2.211 lb | 1.70 | 3.76 | 3.76 |
| Custom | Truck | 10 | 145 bu | 0.12 | 17.40 | 17.40 |
| | Dryer | 12 | 145 bu | 0.10 | 14.50 | 14.50 |
| | Broadcast Spray | 7 | 1 ac | 3.50 | 3.50 | 3.50 |
| Subtotal | | | | | \$114.40 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$158.32 | |
| Interest on Oper. Capital \$158.32 @ 8.3% for 8 Months | | | | | 8.76 | |
| Unpaid Labor 1.82 Hours \$6.00 /hr | | | | | 10.90 | |
| Total Operating Costs | | | | | \$177.98 | |

| | | | | | | |
|----------------------------------|--------------|-----|-----|---|--|--|
| Projected Returns | | | | | | |
| | Corn | 145 | Bu | @ | | |
| | Crop Residue | 3 | AUM | @ | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

E17

Returns Above Operating Costs Budget Worksheet

Corn Silage, Pivot Irrig, Diesel, 281' Head

8 Acre-inches 20 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|--------------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power Impl | | | |
| 1 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 | D 0.63 | 0.57 | 2.09 | |
| 2 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 | D 0.37 | 0.52 | 1.41 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 | D 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 | D 0.62 | 1.76 | 3.27 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.26 | 1.66 | |
| 6 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 | D 0.58 | 0.26 | 1.66 | |
| 7 | All Irrig. | 800 GPM | 0.27 | 4.49 | 16.69 | D 7.45 | | 24.14 | |
| 8 | Chop | Custom | | | | | | | |
| 9 | Truck | Custom | | | | | | | |
| 10 | Blow | 1.75 Ac/hr | 0.34 | 0.57 | 3.15 | D 2.25 | | 5.40 | |
| Subtotal | | | 1.74 Hrs | | 24.39 | 12.92 | 3.59 | \$40.90 | |

Diesel 34.05 Gal @ \$0.65 \$22.13

| Materials & Services | | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|----------------|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed | Corn | 4 | 0.33 bag | 79.23 | 26.15 | \$26.15 | |
| Fertilizer | Anhy N | 1 | 150 lb. N | 0.12 | 18.00 | 18.00 | |
| | 18-46-0 | 4 | 50 lb | 0.11 | 5.50 | 5.50 | |
| Chemicals | Atrazine 90 DF | 4 | 1.5 lb | 3.02 | 4.53 | 4.53 | |
| | Counter 15G | 4 | 8.9 lb | 1.64 | 14.60 | 14.60 | |
| Custom | Forage Chopper | 8 | 20 ton | 2.50 | 50.00 | 50.00 | |
| | Truck | 9 | 20 ton | 2.00 | 40.00 | 40.00 | |
| Subtotal | | | | | | \$158.77 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$199.67 | |
| Interest on Oper. Capital \$199.67 @ 8.3% for 8 Months | | | | | | 11.05 | |
| Unpaid Labor 1.74 Hours \$6.00 /hr | | | | | | 10.44 | |
| Total Operating Costs | | | | | | \$221.16 | |

Projected Returns

Silage 20 Ton @

Total Returns

Net Return above Operating Costs

E18

Returns Above Operating Costs Budget Worksheet
 Cont. Corn, Dryland
 90 Bu Corn

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|-------------------|--------------|--------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | 0.57 | 2.09 | |
| 2 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.52 | 1.41 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 1.5 | 7.96 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu/hr | 0.05 | 0.04 | 0.16 D | 0.11 | 0.02 | 0.29 | |
| 9 | Dry | Custom | | | | | | | |
| Subtotal | | | 1.30 Hrs | | 5.86 | 7.24 | 4.85 | \$17.95 | |
| Diesel | | 8.15 Gal @ \$0.65 | | \$5.30 | | | | | |

| Materials & Services | Opera- tion # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate | |
|---|----------------|----------------|---------------|---------------|-----------|-----------------------------|------|
| Seed | Corn | 4 | 0.25 bag | 79.23 | 19.81 | \$19.81 | |
| Fertilizer | Anhy N | 1 | 90 lb. N | 0.12 | 10.80 | 10.80 | |
| Chemicals | Atrazine 90 DF | 4 | 1.5 lb | 3.02 | 4.53 | 4.53 | |
| | Counter 15G | 4 | 8.9 lb | 1.64 | 14.60 | 14.60 | |
| | Furadan 1/3 Yr | 5 | 2.211 lb | 1.70 | 3.76 | 3.76 | |
| Custom | Truck | 7 | 90 bu | 0.12 | 10.80 | 10.80 | |
| Subtotal | | | | | | \$64.29 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | | \$82.24 | |
| Interest on Oper. Capital | | | | | | \$82.24 @ 8.3% for 8 Months | 4.55 |
| Unpaid Labor | | | | | | 1.30 Hours @ \$6.00 /hr | 7.78 |
| Total Operating Costs | | | | | | \$94.57 | |
| Projected Returns | | | | | | | |
| Corn | | 90 Bu | @ | | | | |
| Crop Residue | | 2 AUM | @ | | | | |
| Total Returns | | | | | | | |
| Net Return above Operating Costs | | | | | | | |

E19 Returns Above Operating Costs Budget Worksheet
 Grain Sorghum, Dryland
 90 Bu Sorghum

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.52 | 1.41 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | 0.57 | 2.09 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Auger | 2500 Bu/hr | 0.05 | 0.04 | 0.16 D | 0.11 | 0.02 | 0.29 | |
| Subtotal | | | 1.30 Hrs | | 5.86 | 7.24 | 4.13 | \$17.23 | |

Diesel 8.15 Gal @ \$0.65 \$5.30

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 4 | 5 lb | 1.07 | 5.35 | \$5.35 | |
| Fertilizer Anhy N | 2 | 70 lb. N | 0.12 | 8.40 | 8.40 | |
| Chemicals Lariat | 4 | 1.5 qt | 4.81 | 7.22 | 7.22 | |
| Custom Truck | 7 | 90 bu | 0.12 | 10.80 | 10.80 | |
| Subtotal | | | | | \$31.77 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$49.00 | |
| Interest on Oper. Capital \$49.00 @ 8.3% for 8 Months | | | | | 2.71 | |
| Unpaid Labor 1.30 Hours \$6.00 /hr | | | | | 7.78 | |
| Total Operating Costs | | | | | \$59.49 | |

| | | | | | | |
|----------------------------------|--|-------|---|--|--|--|
| Projected Returns | | | | | | |
| Sorghum | | 90 Bu | @ | | | |
| Crop Residue | | 2 AUM | @ | | | |
| Total Returns | | | | | | |
| Net Return above Operating Costs | | | | | | |

E20

Returns Above Operating Costs Budget Worksheet
 Sorghum Silage, Dryland
 14 Ton Silage

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.52 | 1.41 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | 0.57 | 2.09 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Chop | Custom | | | | | | | |
| 7 | Truck | Custom | | | | | | | |
| 8 | Pack | 4.35 Ac/hr | 0.28 | 0.23 | 1.27 D | 0.90 | | 2.17 | |
| Subtotal | | | 1.18 Hrs | | 5.00 | 3.54 | 3.33 | \$11.87 | |

Diesel 6.92 Gal @ \$0.65 \$4.50

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Sorghum | 4 | 5 lb | 1.07 | 5.35 | \$5.35 | |
| Fertilizer Anhy N | 2 | 80 lb. N | 0.12 | 9.60 | 9.60 | |
| Chemicals Lariat | 4 | 1.5 qt | 4.81 | 7.22 | 7.22 | |
| Custom Forage Chopper | 6 | 14 ton | 2.50 | 35.00 | 35.00 | |
| Truck | 7 | 14 ton | 2.00 | 28.00 | 28.00 | |
| Subtotal | | | | | \$85.17 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$97.04 | |
| Interest on Oper. Capital \$97.04 @ 8.3% for 8 Months | | | | | 5.37 | |
| Unpaid Labor 1.18 Hours \$6.00 /hr | | | | | 7.06 | |
| Total Operating Costs | | | | | \$109.47 | |

Projected Returns

Silage 14 Ton @

Total Returns

Net Return above Operating Costs

E21 Returns Above Operating Costs Budget Worksheet
Soybeans, Dryland

40 Bu Soybeans

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|---------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.52 | 1.41 | |
| 2 | Broad. Spray | 10.63 Ac/hr | 0.11 | 0.09 | 0.41 D | 0.29 | 0.07 | 0.77 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Plant | 4.9 Ac/hr | 0.24 | 0.20 | 0.89 D | 0.62 | 1.76 | 3.27 | |
| 5 | Row Crop Cult | 5.29 Ac/hr | 0.23 | 0.19 | 0.82 D | 0.58 | 0.26 | 1.66 | |
| 6 | Bar | 7.88 Ac/hr | 0.16 | 0.13 | 0.55 D | 0.39 | 0.09 | 1.03 | |
| 7 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 8 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.32 Hrs | | 5.77 | 7.18 | 3.70 | \$16.65 | |

Diesel 8.02 Gal @ \$0.65 \$5.21

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Soybeans | 4 | 1 bag | 14.43 | 14.43 | \$14.43 | |
| Chemicals Sencor | 2 | 0.5 lb | 25.96 | 12.98 | 12.98 | |
| Treflan | 2 | 0.5 pt | 4.14 | 2.07 | 2.07 | |
| Roundup | 6 | 0.33 pt | 5.77 | 1.90 | 1.90 | |
| Custom Truck | 8 | 40 bu | 0.12 | 4.80 | 4.80 | |
| Subtotal | | | | | \$36.18 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$52.83 | |
| Interest on Oper. Capital | | \$52.83 @ 8.3% | for 8 Months | | 2.92 | |
| Unpaid Labor | | 1.32 Hours | \$6.00 /hr | | 7.92 | |
| Total Operating Costs | | | | | \$63.67 | |

Projected Returns
Soybeans 40 Bu @
Total Returns
Net Return above Operating Costs

E22

Returns Above Operating Costs Budget Worksheet
Wheat

45 Bu Wheat

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|-----------------|----------------|--------------|------|---------------|---------------|------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| 1 | Disc w/harrow | 10.63 Ac/hr | 0.11 | 0.09 | 0.52 D | 0.37 | 0.52 | 1.41 | |
| 2 | Apply Anhy | 6.22 Ac/hr | 0.19 | 0.16 | 0.89 D | 0.63 | 0.57 | 2.09 | |
| 3 | Field Cult | 8.96 Ac/hr | 0.13 | 0.11 | 0.61 D | 0.44 | 0.22 | 1.27 | |
| 4 | Drill Grain 1/2 | 3.52 Ac/hr | 0.34 | 0.28 | 1.24 D | 0.87 | 0.52 | 2.63 | |
| 5 | Combine | 3.44 Ac/hr | 0.35 | 0.29 | 1.97 D | 4.49 | 0.78 | 7.24 | |
| 6 | Truck | Custom | | | | | | | |
| Subtotal | | | 1.12 Hrs | | 5.23 | 6.80 | 2.61 | \$14.64 | |

Diesel 7.23 Gal @ \$0.65 \$4.70

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Seed Wheat | 4 | 75 lb | 0.17 | 12.75 | \$12.75 | |
| Fertilizer 10-34-0 | 2 | 10.77 gal | 1.22 | 13.14 | 13.14 | |
| Anhy N | 2 | 50 lb. N | 0.12 | 6.00 | 6.00 | |
| Custom Truck | 6 | 45 bu | 0.12 | 5.40 | 5.40 | |
| Subtotal | | | | | \$37.29 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$51.93 | |
| Interest on Oper. Capital \$51.93 @ 8.3% for 8 Months | | | | | 2.87 | |
| Unpaid Labor 1.12 Hours \$6.00 /hr | | | | | 6.70 | |
| Total Operating Costs | | | | | \$61.50 | |

Projected Returns

Wheat 45 Bu @

Total Returns

Net Return above Operating Costs

E23

Returns Above Operating Costs Budget Worksheet
 Alfalfa Hay, Large Round Bales
 3 Ton Hay

| Operation # | Description | Operation Rate | Hrs per Acre | | Cost per Acre | | | Sub-Total | Your Estimate |
|-------------|--------------|-------------------|--------------|------|---------------|---------------|--------|-----------|---------------|
| | | | Labor | Mach | Fuel & Lube | Repairs Power | Impl | | |
| | | | | | | | | | |
| 1 | Spread Fert. | 16.04 Ac/hr | 0.07 | 0.06 | 0.27 | D 0.19 | 0.46 | | |
| 2 | Windrow | Custom | | | | | | | |
| 3 | Bale | Custom | | | | | | | |
| 4 | Move Bales | Custom | | | | | | | |
| 5 | Windrow | Custom | | | | | | | |
| 6 | Bale | Custom | | | | | | | |
| 7 | Move Bales | Custom | | | | | | | |
| 8 | Windrow | Custom | | | | | | | |
| 9 | Bale | Custom | | | | | | | |
| 10 | Move Bales | Custom | | | | | | | |
| Subtotal | | | 0.07 Hrs | | 0.27 | 0.19 | \$0.46 | | |
| Diesel | | 0.37 Gal @ \$0.65 | \$0.24 | | | | | | |

| Materials & Services | Operation # | Units per Acre | Cost per Unit | Cost per Acre | Sub-Total | Your Estimate |
|---|-------------|----------------|---------------|---------------|-----------|---------------|
| Fertilizer 0-46-0 | 1 | 30 lb.P20 | 0.19 | 5.70 | \$5.70 | |
| Custom Windrower | 2 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Baler Round | 3 | 1 bale | 6.00 | 6.00 | 6.00 | |
| Move Bales | 4 | 1 bale | 1.00 | 1.00 | 1.00 | |
| Windrower | 5 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Baler Round | 6 | 1.5 bale | 6.00 | 9.00 | 9.00 | |
| Move Bales | 7 | 1 bale | 1.00 | 1.00 | 1.00 | |
| Windrower | 8 | 1 ac | 7.50 | 7.50 | 7.50 | |
| Baler Round | 9 | 1 bale | 6.00 | 6.00 | 6.00 | |
| Move Bales | 10 | 1 bale | 1.00 | 1.00 | 1.00 | |
| Rental Spread Fert. | 1 | 1 ac | 1.00 | 1.00 | 1.00 | |
| Subtotal | | | | | \$53.20 | |
| Total Operating Costs excluding Interest & Unpaid Labor | | | | | \$53.66 | |
| Interest on Oper. Capital \$53.66 @ 8.3% for 8 Months | | | | | 2.97 | |
| Unpaid Labor 0.07 Hours \$6.00 /hr | | | | | 0.43 | |
| Total Operating Costs | | | | | \$57.06 | |

Projected Returns
 Hay 3 Ton @
 Total Returns
 Net Return above Operating Costs