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AGRONOMY NOTES

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1967 RECOMMENDED SMALL GRAINS— PLANTING DATES, VARIETIES, AND DESCRIPTION

V. C. Finkner and S. H. Phillips

Wheat

Planting Dates - - - September 15 to October 20

Varieties - - - - - Benhur, Knox 62, Monon, Red Coat

Description

Benhur--This variety is an early maturing, Hessian fly resistant, stiffed strawed introduction from Purdue. It is white-chaffed, beardless with black striping of glumes and stems occurring certain seasons. It is similar to Monon in yield and test weight, with superior straw strength and disease resistance. Benhur is 2 days earlier in maturity than Monon, and frequently shorter. Seed supply is very short for fall plantings.

Knox 62--This is a soft, red winter wheat that was developed by the backcross method of breeding as a Hessian fly resistant replacement for the Knox variety. Knox 62, like Knox, is a winter-hardy, high-yielding, moderately stiff-strawed, medium-short, beardless, white-chaffed variety, producing grain of excellent test weight and excellent soft wheat quality. It is highly resistant to leaf rust, powdery mildew and to the soil-borne mosaic disease. Like Knox, it is susceptible to leaf and head Septoria diseases and to stem rust and some races of loose smut.

Monon--This is a beardless, white-chaffed variety, about 2 days earlier in maturity, 2 or 3 inches shorter in height and is slightly higher in yield than Knox. The grain has good soft-wheat milling qualities, though the test weight is slightly less than Knox. Monon is resistant to Hessian fly and leaf rust but is susceptible to the loose smut-races that also attack Knox.

Red Coat--This soft, red winter wheat was developed at the Purdue Agriculture Experiment Station. Redcoat is a beardless, white-chaffed variety. It is 6 days later heading than Knox. It has a shorter straw than Dual, but its straw strength is superior to that of Dual. Red coat is resistant to leaf and stem rusts, powdery mildew, mosaic disease, and Hessian fly. It has shown a tendency to shatter during some dry harvest seasons. It also has a better test weight than Dual.

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(To simplify information in this publication, trade names of some products are used. No endorsement is intended, nor is criticism implied of similar products not named.)

Barley

Planting Dates - - - September 15 to October 20

Varieties - - - - - Barsoy, Datyon, Harrison, Kenbar, Will

Description

Barsoy--This is a six-rowed, rough-awned winter barley with early maturity. Barsoy is equal in winter hardiness to Dayton and Kenbar, but has higher test weight, shorter straw and greater lodging resistance. Yields are equal to or superior with cleaner threshing in respect to removal of awn by combine harvest. Barsoy is susceptible to loose smut and has moderate resistance to mildew. The early maturity has permitted Barsoy to escape damage from other barley diseases common in Kentucky.

Dayton--This is a winter barley variety developed and released in Ohio. Beards are semi-smooth. Head is not so compact as that of Kenbar, but Dayton usually has more kernels of grain per head. It is equal or superior to Kenbar in yield and grain quality, but slightly less winterhardy than Kenbar. Dayton may head a day or two earlier than Kenbar, but is usually a day or two later in maturing. Dayton has been 2 inches taller than Kenbar and equal or superior in straw strength. Dayton is less resistant than Kenbar to loose smut, leaf rust and mildew but more resistant to scald, net and spot blotch.

Harrison--This winter barley was developed and released by Purdue University. It is outstanding in straw strength and high in weight per bushel. Its yield has been higher than that of Kenbar and Datyon. It is a bearded variety that heads about 1 week later than Kenbar. Harrison has good disease resistance, but is susceptible to loose smut and Septoria.

Kenbar--This is a winter barley variety developed and released by U.K. Agricultural Experiment Station. Beards are semi-smooth, and heads are short and rather compact. Kenbar is a high yielding variety, with good winter hardiness under Kentucky conditions. Kenbar is early heading and early maturing. It is short strawed but has good straw strength. Kenbar has good resistance to loose smut, leaf rust and mildew, but is susceptible to scald and net and spot blotch under Kentucky conditions.

Will--This winter barley was developed and released by Oklahoma State University. It is outstanding for high yields, and heads about 1 week later than Kenbar. It is similar to the variety Rogers, but is more winterhardy. Will has good disease resistance and is tolerant to greenbug. Its straw strength is similar to that of Kenbar and Dayton.

Oats
(Fall varieties)

Planting Dates - - - August 20 to October 1

Varieties - - - - - Dubois and Norline

Description

Dubois--This winter oat variety was developed and released by Indiana. Yields have been good, with excellent grain quality. Dubois is more winterhardy than Atlantic, and has stiffer straw. Dubois heads and matures about 3 days later than Atlantic and is about 4 inches shorter. It is susceptible to crown rust, but is resistant to oat smuts.

Norline--This is a winter oat variety developed and released by Purdue University. Its yield and quality have been equal to those of Dubois. Its winterhardiness and strength of straw have been equal or superior to those of Dubois.