

Section V. Cereal Crop Pests

Wheat Stem Maggot

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DiSyston formulated as a 15% granule or impregnated on 16-20-0 fertilizer and applied as an in-furrow treatment at planting time reduced the number of tillers infested with wheat stem maggot larvae and substantially increased yields in Steptoe barley.

Seeding date: 5-10-84 Experimental design: RCB, 4reps., 15' x 40'
 Subirrigation only Harvest: September (early)

Results:

Fertilizer	DiSyston (at Planting)	Tillers per 12 linear feet <u>1/</u>		
		Total	Dead	%Dead
1. None	None	452	188	42%
2. 16-20-0, 325#/A	None	459	216	47%
3. 16-20-0, 325#/A	15G @1#ai/A	418	157	38%
4. 16-20-0, 325#/A	impregnated 1#ai/A	445	151	34%
5. 12-12-12, 325#/A	15G @1#ai/A	478	151	32%
6. 12-12-12, 325#/A/A/A+Mn+2N	15G @1#ai/A	480	168	35%
* No DiSyston		911	404	44.3%
DiSyston		1,821	627	34.4%

1/ Evaluated: 7-11-84

Entry No.	Fertilizer	Treatment		Yield	
		#/A	DiSyston, 1#/A ai	#/A	#/bu
1.	None	0	None	2448	47
2.	16-20-0	325	None	2702	49
3.	16-20-0	325	15G	3305	51
4.	16-20-0	325	Impregnated	3618	51
5.	12-12-12	325	15G	3522	51
6.	12-12-12+Mn Zn	325	15G	3225	52
	LSD 1%			712	1.64
	5%			515	1.19
	10%			423	0.98
	CV			10.9%	