

Your Questions (continued)

Q: I'm looking at buying a no-till drill with a dry fertilizer attachment. I've always put on 50 pounds per acre of 11-52-0 when drilling wheat. I was wondering what the pros and cons of putting 11-52-0 on milo would be. I didn't know if it would hurt the germination of milo to put on 50 lbs of 11-52-0 with the seed.

A: Grain sorghum is a bit more sensitive than wheat to fertilizer salts applied with the seed, says Dale Leikam, K-State nutrient management specialist. Still, you should be safe in applying 50 lbs of 11-52-0 with grain sorghum seed in some situations, he says.

Usually, the charts showing the suggested maximum rates of fertilizer that can be applied directly with the seed list the amounts in terms of pounds of nitrogen (N) plus potash (K₂O). In the charts below, I've converted this to the maximum lbs per acre of 11-52-0 and gallons per acre of 10-34-0 that can be applied with the seed. Remember that these maximum amounts assume you're not including any potash. If you are adding potash, the maximum amounts in the charts below would be reduced.

Suggested Maximum Rates of Fertilizer To Be Applied Directly With Seed Wheat and Corn				
Amount of fertilizer (assuming no added K₂O)				
Row spacing (inches)	Medium to fine Textured Soils		Sandy or Dry Soils	
	11-52-0 (lbs/acre)	10-34-0 (gal/acre)	11-52-0 (lbs/acre)	10-34-0 (gal/acre)
40	54.5	5.2	36.4	3.4
30	72.7	6.9	54.5	5.2
20	109.1	10.3	72.7	6.9
15	145.5	13.7	100.0	9.4
12	181.8	17.2	127.3	12.0
10	218.2	20.6	154.5	14.6
6-8	272.7	25.7	190.9	18.0

Suggested Maximum Rates of Fertilizer To Be Applied Directly With Seed Grain Sorghum				
Amount of fertilizer (assuming no added K₂O)				
Row spacing (inches)	Medium to fine Textured Soils		Sandy or Dry Soils	
	11-52-0 (lbs/acre)	10-34-0 (gal/acre)	11-52-0 (lbs/acre)	10-34-0 (gal/acre)
40	38.2	3.6	25.5	2.4
30	50.9	4.9	38.2	3.6
20	76.3	7.3	51.0	4.8
15	101.7	9.7	70.1	6.5
12	127.2	12.1	89.2	8.3
10	152.6	24.6	108.3	10.1
6-8	190.8	18.2	133.8	12.5

Source: Adapted from information provided by Dale Leikam, K-State nutrient management specialist

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