

MSU Soil Fertility Research Program

SUGARBEET RESPONSE TO NITROGEN FOLLOWING WHEAT

Trial ID: BV01-13 Location: SVRF Trial Year: 2013
 Investigator: Kurt Steinke
 Project ID: SIDEDRESS

| | | | | | | |
|--------------------|----------------|-------------|------------|------------|--------------|-----------|
| Crop Code | BEAVA | | | | | |
| Crop Name | Sugarbeet | | | | | |
| Crop Variety | Syngenta RR42 | | | | | |
| Description | Yield | | | | | |
| Rating Date | Oct-23-2013 | | | | | |
| Rating Type | YIELD | | | | | |
| Rating Unit | T-US | | | | | |
| Crop Stage Scale | Harvest | | | | | |
| ARM Action Codes | TY1 | | | | | |
| Number of Decimals | 1 | | | | | |
| Trt No. | Treatment Name | Rate | Other Rate | Other Rate | Growth Stage | Appl Code |
| | | Rate Unit | Rate | Rate | Unit | |
| | | | | | | 52 |
| 5 | MAP 11-52-0 | 20 lb ai/a | 38.5 lb/a | | 2X2PL B | 29.7 a |
| | K2O 0-0-62 | 50 lb ai/a | 81 lb/a | | 2X2PL B | |
| | Manganese | 2 lb ai/a | 7.4 lb/a | | 2X2PL B | |
| | 28% Nitrogen | 40 lb ai/a | 13.3 gal/a | | 2X2PL B | |
| | Urea 46-0-0 | 120 lb ai/a | 260 lb/a | | SD2-4lf C | |
| 8 | MAP 11-52-0 | 20 lb ai/a | 38.5 lb/a | | 2X2PL B | 31.6 a |
| | K2O 0-0-62 | 50 lb ai/a | 81 lb/a | | 2X2PL B | |
| | Manganese | 2 lb ai/a | 7.4 lb/a | | 2X2PL B | |
| | 28% Nitrogen | 40 lb ai/a | 13.3 gal/a | | 2X2PL B | |
| | ESN 44-0-0 | 120 lb ai/a | 273 lb/a | | PPI A | |
| 9 | MAP 11-52-0 | 20 lb ai/a | 38.5 lb/a | | 2X2PL B | 28.0 a |
| | K2O 0-0-62 | 50 lb ai/a | 81 lb/a | | 2X2PL B | |
| | Manganese | 2 lb ai/a | 7.4 lb/a | | 2X2PL B | |
| | 28% Nitrogen | 40 lb ai/a | 13.3 gal/a | | 2X2PL B | |
| | ESN 44-0-0 | 90 lb ai/a | 205 lb/a | | PPI A | |
| | Urea 46-0-0 | 30 lb ai/a | 65 lb/a | | PPI A | |
| 10 | MAP 11-52-0 | 20 lb ai/a | 38.5 lb/a | | 2X2PL B | 26.7 a |
| | K2O 0-0-62 | 50 lb ai/a | 81 lb/a | | 2X2PL B | |
| | Manganese | 2 lb ai/a | 7.4 lb/a | | 2X2PL B | |
| | 28% Nitrogen | 40 lb ai/a | 13.3 gal/a | | 2X2PL B | |
| | ESN 44-0-0 | 60 lb ai/a | 136 lb/a | | PPI A | |
| | Urea 46-0-0 | 60 lb ai/a | 130 lb/a | | PPI A | |
| 11 | MAP 11-52-0 | 20 lb ai/a | 38.5 lb/a | | 2X2PL B | 29.5 a |
| | K2O 0-0-62 | 50 lb ai/a | 81 lb/a | | 2X2PL B | |
| | Manganese | 2 lb ai/a | 7.4 lb/a | | 2X2PL B | |
| | 28% Nitrogen | 40 lb ai/a | 13.3 gal/a | | 2X2PL B | |
| | ESN 44-0-0 | 30 lb ai/a | 68 lb/a | | PPI A | |
| | Urea 46-0-0 | 90 lb ai/a | 196 lb/a | | PPI A | |
| LSD (P=.10) | | | | | | 4.79 |
| Standard Deviation | | | | | | 3.80 |
| CV | | | | | | 13.06 |
| Replicate F | | | | | | 1.208 |
| Replicate Prob(F) | | | | | | 0.3489 |
| Treatment F | | | | | | 0.929 |
| Treatment Prob(F) | | | | | | 0.4791 |

Crop Code
 BEAVA, BSUG, Beta vulgaris vulg. altissima, = US
Rating Type
 YIELD = yield
Rating Unit
 T-US = ton (short=2000 lb)
ARM Action Codes

Means followed by same letter do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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TY1 = 0.1244571*[C42]