

Certified Soybean Seed Varieties For 2009



Ohio Certified Seed



| SEEDING RATE CHART FOR SOYBEANS | | | | | | |
|---------------------------------|------------------------------------|-----|-----|------|------|------|
| ROW WIDTH | DESIRED SEEDS PER ACRE (THOUSANDS) | | | | | |
| | 100 | 125 | 150 | 175 | 200 | 225 |
| | SEEDS PER FOOT OF ROW | | | | | |
| 7.5 | 1.4 | 1.8 | 2.2 | 2.5 | 2.9 | 3.2 |
| 15 | 2.9 | 3.6 | 4.3 | 5.0 | 5.7 | 6.5 |
| 30 | 5.7 | 7.2 | 8.6 | 10.0 | 11.5 | 12.9 |
| SEEDS/POUND | POUNDS OF SEED PER ACRE | | | | | |
| 2000 | 50 | 63 | 75 | 88 | 100 | 113 |
| 2100 | 48 | 60 | 71 | 83 | 95 | 107 |
| 2200 | 45 | 57 | 68 | 80 | 91 | 102 |
| 2300 | 43 | 54 | 65 | 76 | 87 | 98 |
| 2400 | 42 | 52 | 63 | 73 | 83 | 94 |
| 2500 | 40 | 50 | 60 | 70 | 80 | 90 |
| 2600 | 38 | 48 | 58 | 67 | 77 | 87 |
| 2700 | 37 | 46 | 56 | 65 | 74 | 83 |
| 2800 | 36 | 45 | 54 | 63 | 71 | 80 |
| 2900 | 34 | 43 | 52 | 60 | 69 | 78 |
| 3000 | 33 | 42 | 50 | 58 | 67 | 75 |
| 3100 | 32 | 40 | 48 | 56 | 65 | 73 |
| 3200 | 31 | 39 | 47 | 55 | 63 | 70 |

*Pounds of seed per acre chart reproduced by permission of Deere & Company, © 1993 Deere & Company. All rights reserved.



Ohio Seed Improvement Association
 6150 Avery Road, Box 477, Dublin, Ohio 43017-0477
 Telephone.....(614)889-1136
 Fax.....(614)889-8979
 Web Site.....<http://www.ohseed.org>

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2008 OHIO SOYBEAN PERFORMANCE DATA¹ (bu/ac)

| VARIETY | NORTH REGION | | | | CENTRAL REGION | | | SOUTH REGION | | | | |
|----------|--------------|-------------|---------|--------------|----------------|----------------|------------|--------------|--------------|---------------|------------|--------------|
| | N1 HENRY CO | N2 HURON CO | N2 MEAN | 2007-08 MEAN | C1 MERCER CO | C2 DELAWARE CO | C1-C2 MEAN | 2007-08 MEAN | S1 PREBLE CO | S2 CLINTON CO | S1-S2 MEAN | 2007-08 MEAN |
| DENNISON | 31.8 | 60.5 | 46.2 | 56.8 | 44.6 | 18.8 | 31.7 | 43.4 | 52.2 | - | - | - |
| DILWORTH | 25.8 | 48.7 | 37.2 | 49.5 | 39.8 | 19.8 | 29.8 | 40.5 | 49.0 | - | - | - |
| KOTTMAN | 32.1 | 54.2 | 43.1 | 52.7 | 43.8 | 24.2 | 34.0 | 46.0 | 58.8 | - | - | - |
| OHIO FG1 | 24.3 | 53.5 | 38.9 | 47.0 | 33.7 | 20.2 | 26.9 | 36.5 | 53.6 | - | - | - |
| STREETER | 31.3 | 57.2 | 44.3 | - | 34.5 | 18.3 | 26.4 | - | 45.8 | | | |
| WYANDOT | 31.4 | 51.9 | 41.6 | 50.9 | 36.0 | 19.8 | 27.9 | 41.4 | 47.2 | - | - | - |

¹All data from OSU Department of Horticulture and Crop Science, Series 212, Dr. James E. Beuerlein

OTHER VARIETAL CHARACTERISTICS

| VARIETY | RM ² | PLANT TYPE | LODGING | SEED SIZE | PHYTOPHTHORA | SCLEROTINIA |
|------------|-----------------|--------------|----------------|------------|---|-------------|
| Beeson 80 | 2.6 | Thinline | Susceptible | Large | Rps ₁ ^c | Very Good |
| Croton 3.9 | 3.9 | Bushy | Susceptible | Medium | none | N/A |
| Dennison | 3.5 | Thinline | Mod. Res. | Small | Rps ₁ ^k /Rps ₃ ^a | Susceptible |
| Dilworth | 3.1 | Thinline | Resistant | Medium | Rps ₁ ^k /Rps ₃ ^a | N/A |
| Edison | 3.7 | Thinline | Mod. Res. | Very Small | Rps ₁ ^k | Fair |
| IA 2046 | 2 | N/A | Resistant | Very Large | none | N/A |
| IA 3006 | 3 | N/A | Resistant | Very Large | none | N/A |
| IA 3027 | 3.0 | - | - | Large | None | N/A |
| Kottman | 3.7 | Thinline | Resistant | Small | Rps ₁ ^k / Rps ₃ ^a | Susceptible |
| Ohio FG1 | 3.2 | Bushy | Mod. Susc. | Very Large | Rps ₃ ^a | Good |
| Prohio | 4.1 | Intermediate | Mod. Res. | Medium | Partial Res. | N/A |
| Resnik | 3.4 | Intermediate | Resistant | Very Small | Rps ₁ ^k | Fair |
| Sandusky | 2.8 | Thinline | Mod. Res. | Medium | Rps ₁ ^k | Good |
| Streeter | 3.0 | Intermediate | Very Resistant | Medium | Rps ₁ ^c / Rps ₃ ^a | N/A |
| Stressland | 4.3 | Bushy | Susceptible | Medium | None | N/A |
| Wooster | 3.9 | Intermediate | Mod. Res. | Medium | Partial Res. | Fair |
| Wyandot | 2.9 | Intermediate | Resistant | Large | Rps ₃ ^a | Susceptible |

| Relative Maturity ² | Group | Days to Maturity |
|--------------------------------|-----------|------------------|
| 2.0-2.4 | Early II | 120 - 124 |
| 2.5-2.9 | Late II | 125 - 129 |
| 3.0-3.4 | Early III | 130 - 134 |
| 3.5-3.9 | Late III | 135 - 139 |
| 4.0-4.4 | Early IV | 140 - 144 |