

# Ohio State University Horticulture and Crop Science

BAS 800H / Soybean / Preplant Tolerance and Yield

Trial ID: 09Sharpen      Protocol ID: 09Sharpen  
 Location: Western Branch      Study Director: Bryan Reeb  
 Project ID: 09Sharpen      Investigator: Dr. Mark M. Loux  
 Sponsor Contact: John O'Barr

Reps: 4

Plots: 10 by 40 feet

Spray vol: 20 gal/ac

Mix size: 3 liters (min 2.7808)

| Trt No. | Treatment Name | Form Conc | Form Type | Rate   | Unit    | Other Rate | Other Unit | Growth Stage | Appl Code | Amt to Measure | Product | Plot No. Rep. 1 | 2   | 3   | 4   |
|---------|----------------|-----------|-----------|--------|---------|------------|------------|--------------|-----------|----------------|---------|-----------------|-----|-----|-----|
| 1       | UTC            |           |           |        |         |            |            |              |           |                |         | 101             | 216 | 313 | 402 |
| 2       | Sharpen        | 2.85      | SC        | 0.0223 | lb ai/a | 1          | fl oz/a    | 21           | EPP A     | 1.174          | ml/mx   | 102             | 201 | 303 | 413 |
| 3       | Sharpen        | 2.85      | SC        | 0.0445 | lb ai/a | 2          | fl oz/a    | 21           | EPP       | 2.342          | ml/mx   | 103             | 209 | 301 | 414 |
| 4       | Sharpen        | 2.85      | SC        | 0.089  | lb ai/a | 4          | fl oz/a    | 21           | EPP       | 4.684          | ml/mx   | 104             | 207 | 309 | 408 |
| 5       | Valor          | 51        | WG        | 0.128  | lb ai/a | 4          | oz/a       | 21           | EPP       | 4.511          | g/mx    | 105             | 214 | 315 | 407 |
| 6       | Spartan        | 4         | SC        | 0.375  | lb ai/a | 12         | fl oz/a    | 21           | EPP       | 14.06          | ml/mx   | 106             | 211 | 306 | 401 |
| 7       | Sharpen        | 2.85      | SC        | 0.0223 | lb ai/a | 1          | fl oz/a    | 14           | EPP B     | 1.174          | ml/mx   | 107             | 203 | 304 | 405 |
| 8       | Sharpen        | 2.85      | SC        | 0.0445 | lb ai/a | 2          | fl oz/a    | 14           | EPP       | 2.342          | ml/mx   | 108             | 210 | 314 | 409 |
| 9       | Sharpen        | 2.85      | SC        | 0.089  | lb ai/a | 4          | fl oz/a    | 14           | EPP       | 4.684          | ml/mx   | 109             | 202 | 312 | 415 |
| 10      | Valor          | 51        | WG        | 0.128  | lb ai/a | 4          | oz/a       | 14           | EPP       | 4.511          | g/mx    | 110             | 215 | 302 | 416 |
| 11      | Spartan        | 4         | SC        | 0.375  | lb ai/a | 12         | fl oz/a    | 14           | EPP       | 14.06          | ml/mx   | 111             | 212 | 310 | 403 |
| 12      | Sharpen        | 2.85      | SC        | 0.0223 | lb ai/a | 1          | fl oz/a    | PRE          | C         | 1.174          | ml/mx   | 112             | 208 | 307 | 410 |
| 13      | Sharpen        | 2.85      | SC        | 0.0445 | lb ai/a | 2          | fl oz/a    | PRE          |           | 2.342          | ml/mx   | 113             | 205 | 308 | 412 |
| 14      | Sharpen        | 2.85      | SC        | 0.089  | lb ai/a | 4          | fl oz/a    | PRE          |           | 4.684          | ml/mx   | 114             | 213 | 311 | 406 |
| 15      | Valor          | 51        | WG        | 0.128  | lb ai/a | 4          | oz/a       | PRE          |           | 4.511          | g/mx    | 115             | 204 | 316 | 411 |
| 16      | Spartan        | 4         | SC        | 0.375  | lb ai/a | 12         | oz/a       | PRE          |           | 14.06          | ml/mx   | 116             | 206 | 305 | 404 |

Sort Order: Replicate 1

Product quantities required for listed treatments and applications in one trial:

| Amount* | Unit | Treatment Name | Form Conc | Form Type | Lot Code |
|---------|------|----------------|-----------|-----------|----------|
| 30.747  | ml   | Sharpen        | 2.85      | SC        |          |
| 16.917  | g    | Valor          | 51        | WG        |          |
| 52.729  | ml   | Spartan        | 4         | SC        |          |

\* 'Per area' calculations based on spray volume= 20 gal/ac, mix size= 3 liters (mix size basis).

\* Product amount calculations increased 25 % for overage adjustment.