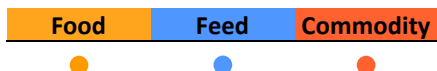


e4520

Non-GMO Soybean Variety

Variety ID # - 2306521658



Maturity 4.5

- Excellent SDS tolerance and standability
- Exceptional protein with good food & feed applications
- Great SCN and yield combination with the C gene for Phytophthora
- Yield stable across environments with improved stress tolerance

| Variety Characteristics* | |
|--------------------------|--------------|
| Plant Height | Tall |
| Plant Type | Medium Bushy |
| Row Width | All |
| Standability | 2.1 |
| Flower Color | Purple |
| Pubescence | Tawny |
| Pod Color | Brown |
| Hilum Color | Black |
| Approx. seeds/lb. | 2,750 |

| Disease & Pest Ratings* | |
|---------------------------|----------|
| Phytophthora Gene | Rps1c |
| Phytophthora Tolerance | 2.3 |
| Soybean Cyst Nematode | R3, MR14 |
| Brown Stem Rot | N/A |
| Sudden Death Syndrome | 2.0 |
| Iron Deficiency Chlorosis | N/A |
| White Mold | N/A |

*1 - 5 rating with 1 being Excellent; R = resistant; MR = moderately resistant; S = susceptible

| Value Added Characteristics** | |
|-------------------------------|-------|
| Protein | 45.5% |
| Oil | 19.4% |

**Protein and oil values are reported on a dry weight basis (DWB). Environmental conditions may cause protein and oil composition to fluctuate.

2009 Yield Data

| Variety | IL | IN | MD | MO | OH | VA | 15 LOC Mean |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| eMerge e4520 | 50.9 | 58.3 | 59.4 | 46.5 | 54.7 | 51.2 | 53.2 |
| Pioneer P94Y01 | 52.6 | 65.5 | 62.0 | 51.9 | 57.4 | 49.9 | 56.2 |
| eMerge 439.TC | 53.8 | 55.5 | 58.3 | 48.7 | 57.9 | 52.0 | 54.4 |
| eMerge 447.TC | 49.5 | 59.4 | 59.6 | 51.0 | 52.6 | 52.1 | 53.4 |
| eMerge 435.TCS | 50.1 | 55.3 | 53.3 | 54.3 | 51.7 | 57.0 | 52.5 |
| FS HiSoy 4426 | 48.4 | 56.1 | 53.8 | 44.0 | 51.8 | 57.8 | 50.8 |
| eMerge 448F.HPC | 47.7 | 51.6 | 55.0 | 34.5 | 52.3 | 50.3 | 48.4 |
| Pioneer P93B82 | 48.2 | 47.4 | 52.7 | 34.0 | 52.2 | 50.3 | 47.5 |
| eMerge 428F.HPC | 46.5 | 48.2 | 53.6 | 38.6 | 44.8 | 52.0 | 47.3 |