



Transforming Soybeans

2023 **DONMARIO™**
EAST COAST
Product Guide

WWW.DONMARIOSEEDS.COM



Farmers need products that prioritize their needs and set high benchmarks for high-yielding genetics, and DONMARIO provides just that.

DONMARIO is an independent soybean brand who partners with independent seed companies to provide fresh options in soybean seed genetics for American farmers! In fact, DONMARIO is one of the only independent seed companies in the U.S. with their own breeding program and exclusive genetics.

DONMARIO's exclusive genetics and choice of traits demonstrate a robust opportunity to partner with independent seed distributors and bring better soybeans to farmers. We look forward to you becoming familiar with DONMARIO, an independent brand that represents access to superior soybeans.

DONMARIO began as a small family business in 1982, by two brothers, the Bartolomés, who wanted better soybeans for their fields. Since launching in 1982, DONMARIO grew quickly and soon earned its reputation as a brand that seeks better soybean genetics and soybean management practices for soybean farmers. Independent testing trials, countless third-party evaluations, and most importantly, farmer's consistent success with DONMARIO's soybeans continue to drive DONMARIO's success today.

DONMARIO is a high-yielding soybean genetics authority with significant market share in six countries worldwide and is a leading brand in five of the seven largest soybean producing countries in the Americas. We sell over 16 million units of soybeans across the globe each year, making us a serious player in the global soybean market.

Genetic potential drives yield. Farmers who start with the most powerful seed genetics strengthen their opportunity for greater profitability. DONMARIO exists today to create the world's best soybean germplasm.

With 40 years in the soybean industry, DONMARIO is serious about soybeans, and we are grateful to partner with U.S. seed companies to deliver our high yielding soybean genetics to U.S. farms. We believe farmers will love all the qualities and options DONMARIO brings; exclusive genetics, top-notch soybeans, and a determination to continue bringing ever-better beans to American farmers.



Excited to debut our 2023 product lineup!

The U.S. DONMARIO Testing Network

DONMARIO varieties are being developed and tested at over 150 research locations and over 500,000 test plots throughout the U.S.

Moreover, we have more than 120 large, strip trial locations across different environments in the U.S. We place these strip trials in low to high yield environments where we measure our commercial and experimental varieties against the best checks in the market.

In addition, we compare our varieties in other trials such as row spacing, planting dates, soil types, and many other factors so we can provide farmers with intelligent agronomic insight and recommendations.



● DONMARIO testing network
● 3rd party testing network

14 Private testing locations

30 Third-party testing locations

DONMARIO varieties are being tested in over **60 locations** throughout the East Coast!

The DONMARIO path to higher yielding soybeans.

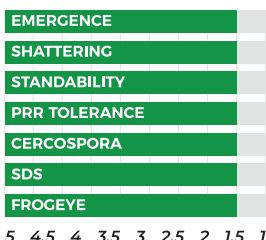
1. Start with the **best genetics.**
2. Create the **highest quality seed.**
3. Protect yield with the **most advanced traits.**
4. Optimize production **with intelligent agronomics.**

NEW

DM41E73

RELATIVE MATURITY 4.1

| | |
|------------------------|-----------------|
| Pod Color | Tan |
| Pubescence Color | Gray |
| Hilum Color | Imperfect Black |
| Flower Color | Purple |
| Seed size | 3489 |
| Plant Height | Medium |
| Rps Gene | Rps 1k |
| SCN | PI88788 |
| Stem Canker | Resistant |
| Sulfonylurea Tolerance | Susceptible |
| Metribuzin Tolerance | MS |



PRODUCT HIGHLIGHTS

- Great adaptation from the Eastern Corn Belt all the way to the plains
- Strong yields with added advantage in lower productivity situations
- Med to med-short plant with avg eye appeal. Excellent lodging scores
- SCN, SDS & PRR 1k
- Solid yield advantage over key early RM4 E3 checks in CCB

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM41E73 BU/A ADVANTAGE | TROY, OH | WASHINGTON COURTHOUSE, OH | HENDERSON, KY |
|--------------|----------------|---------------|------------------------|----------|---------------------------|---------------|
| DM41E73 | 3 | 81.6 | - | 76.2 | 85.4 | 83.2 |
| E3 Check 4.1 | 3 | 78.0 | +3.6 | 72.9 | 81.8 | 79.3 |
| E3 Check 3.7 | 3 | 79.0 | +2.6 | 73.9 | 84.4 | 78.8 |
| E3 Check 3.9 | 3 | 79.2 | +2.4 | 76.1 | 83.8 | 77.6 |
| E3 Check 4.2 | 3 | 81.2 | +0.4 | 80.2 | 84.4 | 78.9 |
| E3 Check 4.3 | 3 | 81.5 | +0.1 | 77.1 | 87.0 | 80.6 |
| E3 Check 4.1 | 3 | 81.6 | 0.0 | 77.0 | 85.0 | 82.8 |
| AVERAGE | - | 80.3 | +1.3 | 76.2 | 84.5 | 80.2 |

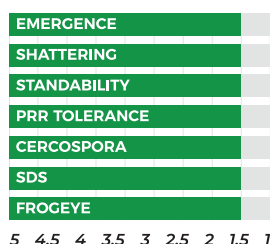
Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM41E73 AVERAGE YIELD | DM41E73 BU/A ADVANTAGE | DM41E73 % YIELD ADVANTAGE | DM41E73 % OF WIN CASES |
|--------------|----------------|--------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|
| P41T07E | 3 | 2021 | 78.0 | 81.6 | +3.6 | 104.6% | 100.0% |
| E3 Check 3.7 | 3 | 2021 | 79.0 | 81.6 | +2.6 | 103.2% | 100.0% |
| E3 Check 3.9 | 3 | 2021 | 79.2 | 81.6 | +2.4 | 103.0% | 100.0% |
| E3 Check 4.2 | 3 | 2021 | 81.2 | 81.6 | +0.4 | 100.5% | 66.0% |
| E3 Check 4.3 | 3 | 2021 | 81.5 | 81.6 | +0.0 | 100.0% | 33.0% |
| E3 Check 4.1 | 3 | 2021 | 81.6 | 81.6 | -0.0 | 100.0% | 66.0% |

DM46E62

RELATIVE MATURITY 4.6

| | |
|------------------------|-----------------|
| Pod Color | Tan |
| Pubescence Color | Gray |
| Hilum Color | Imperfect Black |
| Flower Color | Purple |
| Growth Habit | Indeterminate |
| Seed size | 3123 |
| Plant Height | Medium Tall |
| Rps Gene | Rps 1k |
| SCN | No gene |
| Stem Canker | Resistant |
| Salt Index | Includer |
| Sulfonylurea Tolerance | Tolerant |
| Metribuzin Tolerance | MS* |



PRODUCT HIGHLIGHTS

- ✓ Performs best on heavy clay and silty loam soils
- ✓ Consistent high yielding variety across all regions
- ✓ Medium tall plant type with outstanding standability
- ✓ Stem Canker resistance

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM46E62 BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC, NC | BELVIDERE, NC | JACKSON, NC | JACKSON_3, NC | LUMBER BRIDGE, NC | MOUNT OLIVE, NC | WALLACE, NC | NEW KENT, VA | SURRY, VA | TIFTON, GA | DENTON, MD | ELKO, SC |
|----------------|----------------|---------------|------------------------|---------------|-----------------|---------------|-------------|---------------|-------------------|-----------------|-------------|--------------|-----------|------------|------------|----------|
| DM46E62 | 13 | 63.8 | - | 78.1 | 82.4 | 59.8 | 61.0 | 54.2 | 42.1 | 73.9 | 47.5 | 70.9 | 76.8 | 57.4 | 72.0 | 53.8 |
| E3 Check 4.6 A | 13 | 59.6 | +4.2 | 72.6 | 82.8 | 52.2 | 56.4 | 54.3 | 39.8 | 64.1 | 44.7 | 65.3 | 69.0 | 50.5 | 70.2 | 52.4 |
| E3 Check 4.6 A | 13 | 61.1 | +2.7 | 75.4 | 82.9 | 51.9 | 58.3 | 55.4 | 41.8 | 66.0 | 46.7 | 65.2 | 74.1 | 52.5 | 70.5 | 54.3 |
| P49T62E | 12 | 61.4 | +2.4 | 76.0 | - | 67.9 | 60.4 | 48.1 | 38.0 | 68.7 | 44.0 | 68.1 | 75.9 | 56.5 | 70.4 | 62.2 |
| AVERAGE | - | 61.5 | +2.3 | 75.5 | 82.7 | 57.9 | 59.0 | 53.0 | 40.4 | 68.2 | 45.7 | 67.4 | 73.9 | 54.2 | 70.8 | 55.7 |

Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM46E62 AVERAGE YIELD | DM46E62 BU/A ADVANTAGE | DM46E62 % YIELD ADVANTAGE | DM46E62 % OF WIN CASES |
|----------------|----------------|--------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|
| E3 Check 4.6 A | 13 | 2021 | 59.6 | 63.8 | +4.3 | 107.2% | 84.0% |
| E3 Check 4.6 B | 13 | 2021 | 61.1 | 63.8 | +2.7 | 104.4% | 76.0% |
| P49T62E | 12 | 2021 | 61.4 | 62.3 | +0.9 | 101.5% | 83.0% |


NEW

DM48E93

RELATIVE MATURITY 4.8

| | |
|------------------------|---------------|
| Pod Color | Tan |
| Pubescence Color | Gray |
| Hilum Color | Buff |
| Flower Color | White |
| Growth Habit | Indeterminate |
| Seed size | 2949 |
| Plant Height | Medium Tall |
| Rps Gene | Rps 1c SEG |
| SCN | PI88788 |
| Stem Canker | Resistant |
| Salt Index | Excluder |
| Sulfonylurea Tolerance | Susceptible |
| Metribuzin Tolerance | MT |

| | |
|---------------|--|
| EMERGENCE | |
| SHATTERING | |
| STANDABILITY | |
| PRR TOLERANCE | |
| CERCOSPORA | |
| SDS | |
| FROGEYE | |



SERIOUS ABOUT SOYBEANS

PRODUCT HIGHLIGHTS

- ✓ Excellent performance against the main Enlist checks
- ✓ Over performed P49T62E + 2BU/AC
- ✓ Light tawny with tan pod, medium bush, excellent standability
- ✓ Excellent disease package with excellent frog eye scores and SCN resistance (Pi 88788)
- ✓ Works better under light soils and productive environments

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM48E93 BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC |
|----------------|----------------|---------------|------------------------|---------------|-------------|
| DM48E93 | 2 | 77.9 | - | 75.2 | 80.6 |
| P53T90E | 2 | 74.0 | +3.9 | 67.0 | 81.0 |
| E3 Check 5.1 | 2 | 74.5 | +3.4 | 71.5 | 77.5 |
| P49T62E | 2 | 77.9 | 0.0 | 75.8 | 79.9 |
| E3 Check 4.7 B | 2 | 78.5 | -0.6 | 74.1 | 82.8 |
| AVERAGE | - | 76.6 | +1.3 | 72.7 | 80.4 |

Head-to-Head

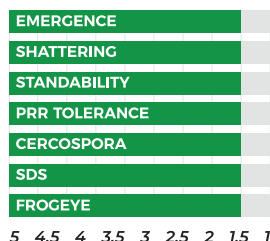
| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM48E93 AVERAGE YIELD | DM48E93 BU/A ADVANTAGE | DM48E93 % YIELD ADVANTAGE | DM48E93 % OF WIN CASES |
|--------------|----------------|--------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|
| P53T90E | 2 | 2021 | 74.0 | 77.9 | +3.9 | 105.2% | 50.0% |
| E3 Check 5.1 | 2 | 2021 | 74.5 | 77.9 | +3.4 | 104.6% | 100.0% |
| P49T62E | 2 | 2021 | 77.9 | 77.9 | -0.0 | 100.0% | 50.0% |
| E3 Check 4.7 | 2 | 2021 | 78.5 | 77.9 | -0.6 | 99.2% | 50.0% |

NEW

DM53E53

RELATIVE MATURITY 5.3

| | |
|------------------------|-----------------|
| Pod Color | Brown |
| Pubescence Color | Gray |
| Hilum Color | Imperfect Black |
| Flower Color | Purple |
| Growth Habit | Determinate |
| Seed size | 2718 |
| Plant Height | Small |
| Rps Gene | Rps 1k |
| SCN | PI88788 |
| Stem Canker | MR |
| Sulfonylurea Tolerance | Susceptible |
| Metribuzin Tolerance | MT |



PRODUCT HIGHLIGHTS

- ✓ This Enlist variety can find a fit on every farm
- ✓ Enlist variety that is very competitive against check XT and XF in its MG
- ✓ Determinate plant type with excellent standability eye appeal
- ✓ Root Knot resistance! Along with PI88788 for SCN and excellent PRR resistance
- ✓ Best position in high yield environment in MD, VA and NC

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM53E53 BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC, NC | ELKO, SC | TIFTON, GA | JACKSON, NC | LUMBER BRIDGE, NC | MOUNT OLIVE, NC | WALLACE, NC | BENNETTSVILLE, SC | ELKO, SC | TIFTON, GA |
|-----------------|----------------|---------------|------------------------|---------------|-----------------|----------|------------|-------------|-------------------|-----------------|-------------|-------------------|----------|------------|
| DM53E53 | 11 | 64.7 | - | 75.5 | 83.4 | 75.3 | 72.2 | 62.2 | 39.4 | 69.7 | 47.2 | 56.7 | 66.9 | 63.8 |
| AG 56X8 | 11 | 63.5 | +1.2 | 75.2 | 82.1 | 72.9 | 70.1 | 60.8 | 41.3 | 67.4 | 45.9 | 55.4 | 65.2 | 62.3 |
| AG55XF0 | 11 | 64.9 | -0.2 | 73.6 | 84.1 | 71.4 | 71.3 | 64.2 | 45.1 | 72.6 | 45.2 | 57.3 | 64.8 | 64.7 |
| AG59XF0 | 11 | 66.0 | -1.3 | 74.0 | 83.4 | 77.4 | 71.1 | 64.4 | 44.3 | 70.4 | 50.5 | 58.0 | 69.3 | 63.0 |
| Xtend Check 5.5 | 11 | 66.2 | -1.5 | 72.9 | 89.9 | 75.6 | 69.6 | 68.4 | 44.5 | 68.6 | 50.2 | 59.3 | 67.5 | 61.4 |
| AVERAGE | - | 65.1 | -0.4 | 74.2 | 84.6 | 74.5 | 70.8 | 64.0 | 42.9 | 69.8 | 47.8 | 57.3 | 66.7 | 63.0 |

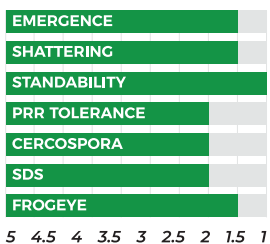
Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM53E53 AVERAGE YIELD | DM53E53 BU/A ADVANTAGE | DM53E53 % YIELD ADVANTAGE | DM53E53 % OF WIN CASES |
|---------|----------------|--------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|
| AG 56X8 | 11 | 2021 | 63.5 | 64.7 | +1.3 | 102.0% | 90.0% |
| AG55XF0 | 11 | 2021 | 64.9 | 64.7 | -0.2 | 99.7% | 45.0% |
| AG59XF0 | 11 | 2021 | 66.0 | 64.7 | -1.3 | 98.1% | 36.0% |
| P55A49X | 11 | 2021 | 66.2 | 64.7 | -1.4 | 97.8% | 36.0% |

DM59E01S

RELATIVE MATURITY 5.9

| | |
|------------------------|---------------|
| Pod Color | ● Tan |
| Pubescence Color | ● Gray |
| Hilum Color | ● Buff |
| Flower Color | ● White |
| Growth Habit | Indeterminate |
| Seed size | 2790 |
| Plant Height | Medium Tall |
| Rps Gene | No gene |
| SCN | No gene |
| Stem Canker | Resistant |
| Salt Index | Includer |
| Sulfonylurea Tolerance | Tolerant |
| Metribuzin Tolerance | MS |





SERIOUS ABOUT SOYBEANS

PRODUCT HIGHLIGHTS

- ✓ Great option for defensive soils (low - medium yield environments) and double crop situations
- ✓ Only Late 5 growth habit indeterminate in the market
- ✓ Very flexible with different planting dates
- ✓ Solid performance against SDS and Frogeye
- ✓ STS tolerance

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM59E01S BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC, NC | ELKO, SC | TIFTON, GA | JACKSON, NC | JACKSON_3, NC | MOUNT OLIVE, NC | WALLACE, NC | BENNETTSVILLE, SC | ELKO, SC | TIFTON, GA |
|----------|----------------|---------------|-------------------------|---------------|-----------------|----------|------------|-------------|---------------|-----------------|-------------|-------------------|----------|------------|
| DM59E01S | 11 | 67.3 | - | 77.9 | 86.6 | 75.8 | 74.9 | 63.7 | 55.0 | 72.3 | 46.6 | 56.6 | 65.7 | 64.8 |
| AG 56X8 | 11 | 64.5 | +2.8 | 75.2 | 82.1 | 72.9 | 70.1 | 60.8 | 52.5 | 67.4 | 45.9 | 55.4 | 65.2 | 62.3 |
| AG55XF0 | 11 | 65.8 | +1.5 | 73.6 | 84.1 | 71.4 | 71.3 | 64.2 | 54.4 | 72.6 | 45.2 | 57.3 | 64.8 | 64.7 |
| AG59XF0 | 11 | 66.8 | +0.5 | 74.0 | 83.4 | 77.4 | 71.1 | 64.4 | 53.6 | 70.4 | 50.5 | 58.0 | 69.3 | 63.0 |
| P55A49X | 11 | 67.4 | -0.1 | 72.9 | 89.9 | 75.6 | 69.6 | 68.4 | 57.9 | 68.6 | 50.2 | 59.3 | 67.5 | 61.4 |
| P65A72X | 11 | 67.4 | -0.1 | 74.7 | 86.0 | 78.2 | 73.9 | 65.2 | 54.5 | 66.9 | 51.8 | 56.6 | 69.1 | 64.8 |
| AVERAGE | - | 66.5 | +0.8 | 74.7 | 85.3 | 75.2 | 71.8 | 64.4 | 54.7 | 69.7 | 48.4 | 57.2 | 66.9 | 63.5 |

Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM59E01S AVERAGE YIELD | DM59E01S BU/A ADVANTAGE | DM59E01S % YIELD ADVANTAGE | DM59E01S % OF WIN CASES |
|---------|----------------|--------|-----------------------|------------------------|-------------------------|----------------------------|-------------------------|
| AG 56X8 | 11 | 2021 | 64.5 | 67.3 | +2.8 | 104.3% | 100.0% |
| AG55XF0 | 11 | 2021 | 65.8 | 67.3 | +1.5 | 102.3% | 72.0% |
| AG59XF0 | 11 | 2021 | 66.8 | 67.3 | +0.4 | 100.6% | 54.0% |
| P55A49X | 11 | 2021 | 67.4 | 67.3 | -0.1 | 99.8% | 45.0% |
| P65A72X | 11 | 2021 | 67.4 | 67.3 | -0.2 | 99.8% | 63.0% |


NEW

DM69E83S

RELATIVE MATURITY 6.9

| | |
|------------------------|-------------|
| Pod Color | Tan |
| Pubescence Color | Gray |
| Hilum Color | Buff |
| Flower Color | White |
| Growth Habit | Determinate |
| Seed size | 2813 |
| Plant Height | Medium |
| Rps Gene | No gene |
| SCN | No gene |
| Stem Canker | S |
| Salt Index | Excluder |
| Sulfonylurea Tolerance | Tolerant |
| Metribuzin Tolerance | MT |

| | |
|---------------|--|
| EMERGENCE | |
| SHATTERING | |
| STANDABILITY | |
| PRR TOLERANCE | |
| CERCOSPORA | |
| SDS | |
| FROGEYE | |



SERIOUS ABOUT SOYBEANS

PRODUCT HIGHLIGHTS

- Great option for SC and GA and NC and VA under double crop situations
- Medium plant height with good standability
- MR score for Root Knot
- STS tolerance

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM69E83S BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC | ELKO, SC | TIFTON, GA | JACKSON, NC | LUMBER BRIDGE, NC | MOUNT OLIVE, NC | WALLACE, NC | BENNETTSVILLE, SC | ELKO, SC | TIFTON, GA |
|----------|----------------|---------------|-------------------------|---------------|-------------|----------|------------|-------------|-------------------|-----------------|-------------|-------------------|----------|------------|
| DM69E83S | 11 | 65.8 | - | 73.3 | 83.0 | 78.5 | 72.9 | 63.2 | 42.0 | 68.6 | 48.3 | 56.8 | 71.5 | 65.9 |
| AG69X0 | 11 | 64.1 | +1.7 | 74.2 | 83.9 | 75.3 | 68.2 | 65.1 | 41.5 | 65.4 | 48.3 | 55.2 | 67.7 | 60.7 |
| AG59XF0 | 11 | 66.0 | -0.2 | 74.0 | 83.4 | 77.4 | 71.1 | 64.4 | 44.3 | 70.4 | 50.5 | 58.0 | 69.3 | 63.0 |
| P65A72X | 11 | 66.4 | -0.6 | 74.7 | 86.0 | 78.2 | 73.9 | 65.2 | 42.9 | 66.9 | 51.8 | 56.6 | 69.1 | 64.8 |
| AVERAGE | - | 65.6 | +0.2 | 74.0 | 84.1 | 77.4 | 71.5 | 64.5 | 42.7 | 67.8 | 49.7 | 56.6 | 69.4 | 63.6 |


Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM69E83S AVERAGE YIELD | DM69E83S BU/A ADVANTAGE | DM69E83S % YIELD ADVANTAGE | DM69E83S % OF WIN CASES |
|---------|----------------|--------|-----------------------|------------------------|-------------------------|----------------------------|-------------------------|
| AG69X0 | 11 | 2021 | 64.1 | 65.8 | +1.7 | 102.6% | 72.0% |
| AG59XF0 | 11 | 2021 | 66.0 | 65.8 | -0.2 | 99.7% | 36.0% |
| P65A72X | 11 | 2021 | 66.4 | 65.8 | -0.6 | 99.2% | 45.0% |

DM36F62S

RELATIVE MATURITY 3.6

| | |
|------------------------|---------------|
| Pod Color | Brown |
| Pubescence Color | Light Tawny |
| Hilum Color | Black |
| Flower Color | Purple |
| Growth Habit | Indeterminate |
| Seed size | 2900 |
| Plant Height | Medium Tall |
| Rps Gene | Rps 1a |
| SCN | PI88788 |
| Stem Canker | Resistant |
| Salt Index | Includer |
| Sulfonylurea Tolerance | Tolerant |



SERIOUS ABOUT SOYBEANS

| | |
|---------------|-----|
| EMERGENCE | 5 |
| SHATTERING | 4.5 |
| STANDABILITY | 4 |
| PRR TOLERANCE | 3.5 |
| SDS | 3 |
| FROGEYE | 2.5 |

PRODUCT HIGHLIGHTS

- ✓ Excellent performance across two years in DM MAS and third party trials
- ✓ Beautiful agronomics. One of the most picture perfect lines all season. Great standability for a plant with loaded pods
- ✓ Medium tall plant height with very good standability
- ✓ SCN resistance (PI88788), Rps 1a, very good SDS score
- ✓ STS tolerance

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM36F62S BU/A ADVANTAGE | ARCANUM, OH | PEMBERTON, OH | URBANA, OH | DELPHOS, OH | PEMBERTON, OH | HARTFORD CITY, IN | PORTLAND, IN |
|----------|----------------|---------------|-------------------------|-------------|---------------|------------|-------------|---------------|-------------------|--------------|
| DM36F62S | 7 | 77.6 | - | 82.0 | 89.2 | 83.9 | 67.7 | 89.0 | 68.7 | 62.8 |
| AG40XF0 | 7 | 74.4 | +3.2 | 80.9 | 85.9 | 84.1 | 65.1 | 81.3 | 64.9 | 58.4 |
| AG37XF1 | 7 | 76.6 | +1.0 | 83.2 | 88.5 | 82.8 | 68.5 | 85.2 | 67.2 | 60.7 |
| AVERAGE | - | 76.2 | +1.4 | 82.0 | 87.9 | 83.6 | 67.1 | 85.2 | 66.9 | 60.6 |

Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM36F62S AVERAGE YIELD | DM36F62S BU/A ADVANTAGE | DM36F62S % YIELD ADVANTAGE | DM36F62S % OF WIN CASES |
|---------|----------------|--------|-----------------------|------------------------|-------------------------|----------------------------|-------------------------|
| AG40XF0 | 7 | 2021 | 74.4 | 77.6 | +3.2 | 104.4% | 85.0% |
| AG37XF1 | 7 | 2021 | 76.6 | 77.6 | +1.0 | 101.3% | 71.0% |

NEW

DM45F23

RELATIVE MATURITY 4.5

| | |
|------------------------|-----------------|
| Pod Color | Tan |
| Pubescence Color | Gray |
| Hilum Color | Imperfect Black |
| Flower Color | Purple |
| Growth Habit | Indeterminate |
| Seed size | 3094 |
| Plant Height | Medium Tall |
| Rps Gene | Rps 1a |
| SCN | No gene |
| Stem Canker | Resistant |
| Salt Index | Includer |
| Sulfonylurea Tolerance | Susceptible |
| Metribuzin Tolerance | MS |

SERIOUS ABOUT SOYBEANS

| | |
|---------------|-----|
| EMERGENCE | 5 |
| SHATTERING | 4.5 |
| STANDABILITY | 4 |
| PRR TOLERANCE | 3.5 |
| IDC | 3 |
| CERCOSPORA | 2.5 |
| SDS | 2 |
| FROGEYE | 1.5 |

PRODUCT HIGHLIGHTS

- ✓ Adaptable new line that has a place on every farm!
- ✓ 2+ average Bu/A advantage over main Xtend checks in 2021 and 2020 seasons
- ✓ Medium tall variety with good standability and eye appeal
- ✓ Steam Canker resistant, very good frogeye and SDS score
- ✓ High yielding variety

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM45F23 BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC | BELVIDERE, NC | JACKSON, NC | NEW KENT, VA | SURRY, VA | DENTON, MD |
|---------|----------------|---------------|------------------------|---------------|-------------|---------------|-------------|--------------|-----------|------------|
| DM45F23 | 7 | 72.9 | - | 83.5 | 84.2 | 58.3 | 56.9 | 71.9 | 81.2 | 74.4 |
| AG47XF0 | 7 | 68.5 | +4.4 | 75.5 | 81.2 | 54.1 | 55.6 | 66.5 | 73.6 | 72.9 |
| AG 46X0 | 7 | 69.5 | +3.4 | 75.5 | 84.3 | 49.0 | 60.7 | 69.4 | 76.4 | 71.0 |
| AG 46X6 | 7 | 70.0 | +2.9 | 76.3 | 83.6 | 54.3 | 55.9 | 69.3 | 78.1 | 72.1 |
| AG45XF0 | 7 | 71.1 | +1.8 | 77.6 | 87.2 | 53.8 | 60.0 | 70.9 | 76.0 | 72.4 |
| AVERAGE | - | 70.4 | +2.5 | 77.7 | 84.1 | 53.9 | 57.8 | 69.6 | 77.1 | 72.6 |

Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM45F23 AVERAGE YIELD | DM45F23 BU/A ADVANTAGE | DM45F23 % YIELD ADVANTAGE | DM45F23 % OF WIN CASES |
|---------|----------------|--------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|
| AG47XF0 | 7 | 2021 | 68.5 | 72.9 | +4.5 | 106.5% | 100.0% |
| AG 46X0 | 7 | 2021 | 69.5 | 72.9 | +3.4 | 105.0% | 71.0% |
| AG 46X6 | 7 | 2021 | 70.0 | 72.9 | +3.0 | 104.2% | 100.0% |
| AG45XF0 | 7 | 2021 | 71.1 | 72.9 | +1.8 | 102.5% | 71.0% |

NEW

DM48F53

RELATIVE MATURITY 4.8

| | |
|------------------------|---------------|
| Pod Color | Tan |
| Pubescence Color | Light Tawny |
| Hilum Color | Black |
| Flower Color | Purple |
| Growth Habit | Indeterminate |
| Seed size | 3292 |
| Plant Height | Medium |
| Rps Gene | Rps 1k |
| SCN | No gene |
| Stem Canker | Resistant |
| Salt Index | Includer |
| Sulfonylurea Tolerance | Susceptible |
| Metribuzin Tolerance | MS |

EMERGENCE

SHATTERING

STANDABILITY


PRR TOLERANCE

IDC

CERCOSPORA

SDS

FROGEYE



SERIOUS ABOUT SOYBEANS

5 4.5 4 3.5 3 2.5 2 1.5 1

PRODUCT HIGHLIGHTS

- ✓ Versatile new line that performs on every farm!
- ✓ During 2020 and 2021 seasons across 55 DMMAS locations outyield all check XF in its MG
- ✓ Medium plant type with very good standability
- ✓ Stem canker resistance, very good frogeye and SDS score
- ✓ Bush phenotype with good eye appeal scores

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM48F53 BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC | BELVEDERE, NC | JACKSON, NC | NEW KENT, VA | SURRY, VA | DENTON, MD |
|---------|----------------|---------------|------------------------|---------------|-------------|---------------|-------------|--------------|-----------|------------|
| DM48F53 | 7 | 73.2 | - | 81.0 | 87.2 | 58.2 | 63.7 | 70.3 | 78.0 | 74.2 |
| AG51XF0 | 7 | 68.1 | +5.1 | 72.5 | 80.4 | 52.6 | 63.8 | 66.4 | 69.9 | 71.3 |
| AG47XF0 | 7 | 68.4 | +4.8 | 75.5 | 81.2 | 54.1 | 55.6 | 66.5 | 73.6 | 72.7 |
| AG 46X6 | 7 | 69.9 | +3.3 | 76.3 | 83.6 | 54.3 | 55.9 | 69.3 | 78.1 | 71.9 |
| AVERAGE | - | 69.9 | +3.3 | 76.3 | 83.1 | 54.8 | 59.8 | 68.1 | 74.9 | 72.5 |


Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM48F53 AVERAGE YIELD | DM48F53 BU/A ADVANTAGE | DM48F53 % YIELD ADVANTAGE | DM48F53 % OF WIN CASES |
|---------|----------------|--------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|
| AG51XF0 | 7 | 2021 | 68.1 | 73.2 | +5.1 | 107.5% | 85.0% |
| AG47XF0 | 7 | 2021 | 68.4 | 73.2 | +4.8 | 107.0% | 100.0% |
| AG 46X6 | 7 | 2021 | 69.9 | 73.2 | +3.3 | 104.7% | 85.0% |

DM55F62S

RELATIVE MATURITY 5.5

| | |
|-------------------------|---------------|
| Pod Color | Tan |
| Pubescence Color | Gray |
| Hilum Color | Buff |
| Flower Color | White |
| Growth Habit | Indeterminate |
| Plant Height | Medium Tall |
| Canopy | Medium |
| Rps Gene | Rps 1a |
| SCN | No gene |
| Stem Canker | Resistant |
| Salt Index | Excluder |
| Sulfonyleurea Tolerance | Tolerant |
| Metribuzin Tolerance | T |



SERIOUS ABOUT SOYBEANS

| | |
|---------------|-----|
| EMERGENCE | 5 |
| SHATTERING | 4.5 |
| STANDABILITY | 4 |
| PRR TOLERANCE | 3.5 |
| CERCOSPORA | 3 |
| SDS | 2.5 |
| FROGEYE | 2 |

PRODUCT HIGHLIGHTS

- ✓ Excellent adaptation to SC and GA and under double crop situations in NC and VA
- ✓ Indeterminate that allows flexibility on planting dates; Great option for full season or double crop
- ✓ Medium tall with very good standability
- ✓ Very good frogeye and SDS score
- ✓ STS Tolerance, Excluder, and Metribuzin Tolerance

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM55F62S BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC | TIFTON, GA | BELVIDERE, NC | JACKSON, NC | JACKSON, NC | LUMBER BRIDGE, NC | MOUNT OLIVE, NC | WALLACE, NC | TIFTON, GA | BENNETTSVILLE, SC | ELKO, SC | NEW KENT, VA | SURRY, VA | DENTON, MD |
|--------------|----------------|---------------|-------------------------|---------------|-------------|------------|---------------|-------------|-------------|-------------------|-----------------|-------------|------------|-------------------|----------|--------------|-----------|------------|
| DM55F62S | 15 | 64.8 | - | 73.7 | 83.6 | 79.0 | 54.2 | 59.8 | 58.8 | 49.4 | 71.4 | 47.0 | 56.6 | 60.1 | 59.1 | 69.2 | 76.9 | 73.4 |
| E3 Check 5.3 | 15 | 60.8 | +4.0 | 71.6 | 85.5 | 69.8 | 58.9 | 60.4 | 50.7 | 41.0 | 66.8 | 43.8 | 51.8 | 53.9 | 49.4 | 64.5 | 73.5 | 69.9 |
| E3 Check 4.9 | 15 | 61.0 | +3.8 | 74.2 | 80.9 | 64.9 | 67.7 | 60.1 | 48.1 | 39.3 | 68.8 | 44.1 | 46.5 | 54.3 | 53.9 | 68.1 | 74.9 | 69.9 |
| AG51XF0 | 15 | 62.4 | +2.4 | 72.5 | 80.4 | 78.0 | 52.6 | 63.8 | 57.5 | 47.1 | 69.0 | 45.0 | 56.1 | 55.2 | 51.3 | 66.4 | 69.7 | 71.3 |
| AVERAGE | - | 62.3 | +2.5 | 73.0 | 82.6 | 72.9 | 58.4 | 61.0 | 53.8 | 44.2 | 69.0 | 45.0 | 52.7 | 55.9 | 53.4 | 67.0 | 73.8 | 71.1 |

Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM55F62S AVERAGE YIELD | DM55F62S BU/A ADVANTAGE | DM55F62S % YIELD ADVANTAGE | DM55F62S % OF WIN CASES |
|---------|----------------|--------|-----------------------|------------------------|-------------------------|----------------------------|-------------------------|
| P53T90E | 15 | 2021 | 60.8 | 64.8 | +4.0 | 106.6% | 80.0% |
| P49T62E | 15 | 2021 | 61.0 | 64.8 | +3.8 | 106.2% | 80.0% |
| AG51XF0 | 15 | 2021 | 62.4 | 64.8 | +2.4 | 103.9% | 93.0% |

DM45X61S

RELATIVE MATURITY 4.5

| | |
|----------------------|---------------|
| Pod Color | Brown |
| Pubescence Color | Light Tawny |
| Hilum Color | Black |
| Flower Color | Purple |
| Growth Habit | Indeterminate |
| Seed size | 3250 |
| Plant Height | Medium Tall |
| Rps Gene | No gene |
| SCN | PI88788 |
| Stem Canker | Resistant |
| Salt Index | Excluder |
| Sulfonyrea Tolerance | Tolerant |
| Metribuzin Tolerance | MS |

SERIOUS ABOUT SOYBEANS

| | |
|---------------|-----|
| EMERGENCE | 5 |
| SHATTERING | 4.5 |
| STANDABILITY | 4 |
| PRR TOLERANCE | 3.5 |
| IDC | 3 |
| CERCOSPORA | 2.5 |
| SDS | 2 |
| FROGEYE | 1.5 |

PRODUCT HIGHLIGHTS

- Best on silty clay soils in low - med productivity
- High yield variety with proven performance year over year
- Medium tall plant type with strong standability
- SCN resistance (PI88788), very good SDS score
- Salt Index Excluder and STS

Yield Summary

| VARIETY | # OF LOCATIONS | AVERAGE YIELD | DM45X61S BU/A ADVANTAGE | BELVEDERE, NC | JACKSON, NC | JACKSON_3, NC | LUMBER BRIDGE, NC | MOUNT OLIVE, NC | WALLACE, NC | BENNETTSVILLE, SC | ELKO, SC | TIFTON, GA | DENTON, MD | SURRY, VA |
|----------|----------------|---------------|-------------------------|---------------|-------------|---------------|-------------------|-----------------|-------------|-------------------|----------|------------|------------|-----------|
| DM45X61S | 11 | 60.8 | - | 82.4 | 58.6 | 60.2 | 44.1 | 64.3 | 48.6 | 55.6 | 57.1 | 52.8 | 69.8 | 75.4 |
| AG47XF0 | 11 | 58.7 | +2.1 | 75.5 | 55.6 | 53.9 | 41.6 | 65.8 | 46.5 | 54.1 | 54.1 | 52.3 | 72.9 | 73.6 |
| AG 46X6 | 11 | 59.8 | +1.0 | 76.3 | 55.9 | 54.7 | 48.2 | 64.6 | 47.3 | 51.3 | 55.8 | 53.8 | 72.1 | 78.1 |
| P48A60X | 11 | 60.9 | -0.1 | 76.9 | 58.6 | 60.8 | 48.2 | 62.4 | 48.9 | 57.4 | 57.3 | 51.6 | 71.8 | 75.7 |
| AG45XF0 | 11 | 61.1 | -0.3 | 77.6 | 60.0 | 58.1 | 43.6 | 67.9 | 48.6 | 57.7 | 56.2 | 54.4 | 72.4 | 76.0 |
| AG 46X0 | 11 | 61.1 | -0.3 | 75.5 | 60.7 | 57.4 | 44.1 | 68.3 | 49.0 | 58.5 | 56.6 | 54.8 | 71.0 | 76.4 |
| AVERAGE | - | 60.4 | +0.4 | 77.3 | 58.3 | 57.5 | 45.0 | 65.6 | 48.1 | 55.8 | 56.2 | 53.3 | 71.7 | 75.9 |

Head-to-Head

| Variety | # OF LOCATIONS | SEASON | VARIETY AVERAGE YIELD | DM45X61S AVERAGE YIELD | DM45X61S BU/A ADVANTAGE | DM45X61S % YIELD ADVANTAGE | DM45X61S % OF WIN CASES |
|---------|----------------|--------|-----------------------|------------------------|-------------------------|----------------------------|-------------------------|
| AG47XF0 | 11 | 2021 | 58.7 | 60.8 | +2.1 | 103.6% | 81.0% |
| AG 46X6 | 11 | 2021 | 59.8 | 60.8 | +1.0 | 101.6% | 54.0% |
| P48A60X | 11 | 2021 | 60.9 | 60.8 | -0.1 | 99.9% | 36.0% |
| AG 46X0 | 11 | 2021 | 61.1 | 60.8 | -0.3 | 99.5% | 36.0% |
| AG45XF0 | 11 | 2021 | 61.1 | 60.8 | -0.3 | 99.5% | 45.0% |



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Roundup Ready 2 Xtend® soybeans and XtendFlex® Soybeans combined legals

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