

Test by: M.A.I.T.S Mount Joy, PA

2019 Soybeans Top 30 Harvest Report

Delaware Maryland North [DMNO] PRESTON, MD
Roger Schmick, Caroline County, MD 21655

| | |
|-------------------------------|--|
| All-Season Test | 3.7 - 4.7 Day CRM S2019DMNO01 |
| Top 30 of 42 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Wheat / N/A |
| SOIL DESCRIPTION: | loamy sand, mod. well drained, irrigated |
| SOIL CONDITION: | very high P, high K, 5.6 pH, 1.5% OM, 3.7 CEC |
| TILLAGE/CULTIVATION: | No-Till |
| PEST MANAGEMENT: | N/A |
| Applied N-P-K (units): | 35-33-112 |
| SEEDED - RATE - ROW: | Jun 4 165.0 /A 15" spacing |
| HARVESTED - STAND: | Nov 7 120.0 /A |

TEST COMMENTS:

Very nice plot. Stands were good and overall appearance of the soybeans were excellent. Height was tall and were able to get some good lodging ratings. Rainfall was good up to August then irrigation was applied. Would rate this plot a 10 out of 10 if not for the irrigation tracks, rating for the plot is 9 out of 10. (10=best)

| Company/Brand | Product/Brand | Technol.† | RM | SCN Resist. | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|------------------|-----------|-----|-------------|-------------|------------|-----------|----------------|----------------------|------|
| SEED CONSULTANTS | SC 8459X | RRX | 4.5 | MR | 77.2 | 12.1 | 6 | 118.5 | 656 | 1 |
| ASGROW | AG43X0 | RRX,ST | 4.3 | R | 74.2 | 11.7 | 3 | 120.8 | 631 | 2 |
| ARMOR | X46D09 | RRX,ST | 4.6 | MR | 72.8 | 11.4 | 1 | 123.2 | 619 | 3 |
| CREDENZ | CZ 3750GTLL | LG27 | 3.7 | MR | 71.9 | 12.6 | 2 | 125.5 | 611 | 4 |
| LOCAL SEED CO. | ZS4299XS | RRX,ST | 4.2 | R | 71.3 | 11.4 | 2 | 118.5 | 606 | 5 |
| MID-ATLANTIC | MAS3718RR2/X | RRX | 3.7 | R | 70.6 | 11.6 | 12 | 123.2 | 600 | 6 |
| NK BRAND | S44-C7X | RRX | 4.4 | R | 70.4 | 11.9 | 2 | 132.4 | 598 | 7 |
| STINE | 41GA02 | LG27 | 4.1 | R | 70.3 | 12.0 | 7 | 111.5 | 598 | 8 |
| ARMOR | 42-D27 | RRX,ST | 4.2 | R | 70.3 | 12.0 | 3 | 127.8 | 598 | 9 |
| STINE | 39EA02 | E3 | 3.9 | R | 70.2 | 11.9 | 2 | 116.2 | 597 | 10 |
| LOCAL SEED CO. | ZS3898E3S | E3,ST | 3.8 | R | 70.0 | 12.5 | 12 | 125.5 | 595 | 11 |
| ASGROW | AG38X8 | RRX | 3.8 | R | 69.9 | 12.3 | 2 | 106.9 | 594 | 12 |
| SEED CONSULTANTS | SC 9469BR | RR,ST | 4.4 | MR | 69.5 | 12.2 | 2 | 125.5 | 591 | 13 |
| HUBNER | H42-28R2X | RRX,ST | 4.2 | R | 69.2 | 11.8 | 1 | 109.2 | 588 | 14 |
| MID-ATLANTIC | MAS4200GT/LL/STS | LG27 | 4.2 | n/a | 69.1 | 12.3 | 1 | 102.2 | 587 | 15 |
| ARMOR | 44-D92 | RRX,ST | 4.4 | MR | 69.0 | 11.5 | 1 | 113.8 | 586 | 16 |
| LOCAL SEED CO. | ZS4295GLS | LG27,ST | 4.2 | R | 68.8 | 12.6 | 1 | 139.4 | 585 | 17 |
| HUBNER | H43-27R2X | RRX,ST | 4.3 | R | 68.3 | 11.9 | 5 | 109.2 | 581 | 18 |
| HUBNER | H46-29R2X | RRX,ST | 4.6 | R | 68.0 | 11.8 | 5 | 125.5 | 578 | 19 |
| STINE | 41EA12 | E3 | 4.1 | R | 67.8 | 12.0 | 3 | 106.8 | 576 | 20 |
| LOCAL SEED CO. | ZS3797GL | LG27 | 3.7 | R | 67.3 | 12.6 | 2 | 123.2 | 572 | 21 |
| NK BRAND | S39-G2X | RRX | 3.9 | R | 67.0 | 11.8 | 2 | 97.6 | 570 | 22 |
| MID-ATLANTIC | MAS4519E3/STS | E3 | 4.5 | n/a | 66.9 | 12.2 | 2 | 130.1 | 569 | 23 |
| CREDENZ | CZ 4539GTLL | LG27 | 4.5 | R | 66.9 | 12.5 | 1 | 116.2 | 569 | 24 |
| HUBNER | H40-29R2X | RRX | 4.0 | R | 66.4 | 11.6 | 3 | 125.5 | 564 | 25 |
| CREDENZ | CZ 4610GTLL | LG27 | 4.6 | MR | 65.8 | 12.4 | 3 | 132.4 | 559 | 26 |
| SEED CONSULTANTS | SC 8399X | RRX | 3.9 | R | 65.3 | 12.0 | 2 | 125.5 | 555 | 27 |
| LOCAL SEED CO. | LS4565XS | RRX,ST | 4.5 | MR | 65.3 | 11.4 | 10 | 130.1 | 555 | 28 |
| HUBNER | H39-28R2X | RRX | 3.9 | R | 64.9 | 12.5 | 4 | 125.5 | 552 | 29 |
| MID-ATLANTIC | MAS4675E3/STS | E3 | 4.6 | n/a | 64.5 | 12.4 | 3 | 123.2 | 548 | 30 |

Robin Kauffman

Rob Kauffman

rob.kauffman@firstseedtests.info, (717) 413-0763

| | | | | | |
|--------------|-------------|-------------|----------|--------------|------------|
| Averages = | 66.7 | 12.1 | 6 | 120.0 | 567 |
| LSD (0.10) = | 4.0 | 0.3 | 5 | | |
| LSD (0.25) = | 2.1 | 0.1 | 3 | | |
| C.V. = | 5.7 | | | | |

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

2019 Soybeans - Delaware Maryland North [DMNO]

All-Season Test Products (42 Total)

| Company/Brand | Product/Brand | Technology | SCN | RM |
|------------------|------------------|------------|-----|-----|
| ARMOR | 42-D27 | RRX,ST | R | 4.2 |
| ARMOR | 44-D92 | RRX,ST | MR | 4.4 |
| ARMOR | X38D53 | RRX | MR | 3.8 |
| ARMOR | X46D09 | RRX,ST | MR | 4.6 |
| ASGROW | AG38X8 | RRX | R | 3.8 |
| ASGROW | AG43X0 | RRX,ST | R | 4.3 |
| ASGROW | AG47X9 | RRX | R | 4.7 |
| CREDENZ | CZ 3750GTLL | LG27 | MR | 3.7 |
| CREDENZ | CZ 3929GTLL | LG27 | R | 3.9 |
| CREDENZ | CZ4240GTLL | LG27 | MR | 4.2 |
| CREDENZ | CZ 4539GTLL | LG27 | R | 4.5 |
| CREDENZ | CZ 4610GTLL | LG27 | MR | 4.6 |
| HUBNER | H39-28R2X | RRX | R | 3.9 |
| HUBNER | H40-29R2X | RRX | R | 4.0 |
| HUBNER | H42-28R2X | RRX,ST | R | 4.2 |
| HUBNER | H43-27R2X | RRX,ST | R | 4.3 |
| HUBNER | H46-29R2X | RRX,ST | R | 4.6 |
| LOCAL SEED CO. | LS4487XS | RRX,ST | MR | 4.4 |
| LOCAL SEED CO. | LS4565XS | RRX,ST | MR | 4.5 |
| LOCAL SEED CO. | ZS3797GL | LG27 | R | 3.7 |
| LOCAL SEED CO. | ZS3898E3S | E3,ST | R | 3.8 |
| LOCAL SEED CO. | ZS4295GLS | LG27,ST | R | 4.2 |
| LOCAL SEED CO. | ZS4299XS | RRX,ST | R | 4.2 |
| MID-ATLANTIC | MAS3718RR2/X | RRX | R | 3.7 |
| MID-ATLANTIC | MAS3818GT/LL/STS | LG27 | NA | 3.8 |
| MID-ATLANTIC | MAS4200GT/LL/STS | LG27 | NA | 4.2 |
| MID-ATLANTIC | MAS4519E3/STS | E3 | NA | 4.5 |
| MID-ATLANTIC | MAS4550GT/LL/STS | LG27 | NA | 4.5 |
| MID-ATLANTIC | MAS4675E3/STS | E3 | NA | 4.6 |
| NK BRAND | S35-K9X | RRX | R | 3.5 |
| NK BRAND | S39-G2X | RRX | R | 3.9 |
| NK BRAND | S44-C7X | RRX | R | 4.4 |
| PIONEER | P33A81PR GC | RR | NA | 3.3 |
| PIONEER | P46A45PR GC | RR | NA | 4.6 |
| SEED CONSULTANTS | SC 8379X | RRX | R | 3.7 |
| SEED CONSULTANTS | SC 8399X | RRX | R | 3.9 |

| Company/Brand | Brand/Product | Technology | RM | SCN |
|------------------|---------------|------------|----|-----|
| SEED CONSULTANTS | SC 8439X | RRX | R | 4.3 |
| SEED CONSULTANTS | SC 8459X | RRX | MR | 4.5 |
| SEED CONSULTANTS | SC 9469BR | RR,ST | MR | 4.4 |
| STINE | 39EA02 | E3 | R | 3.9 |
| STINE | 41EA12 | E3 | R | 4.1 |
| STINE | 41GA02 | LG27 | R | 4.1 |

Footnotes and Abbreviations Descriptions

Brand Footnotes

| | |
|----|--|
| CK | Identifies a check product included in early- and full-season tests. |
| GC | Grower Comparison product included by FIRST when space permits. |
| § | United Soybean Board sponsored entry |

Soybean Cyst Nematode (SCN) Resistance Rating

| | |
|-----|---------------------|
| S | susceptible |
| MR | moderate resistance |
| R | resistant |
| n/a | info unavailable |

Soybeans Technologies*

| | |
|-------------|---------------------------------|
| E3 | Enlist E3™ |
| LG27 or G27 | LibertyLink® GT27™ |
| LL | LibertyLink® |
| None | Conventional, non-GMO |
| RR | Glyphosate tolerant |
| RR2Y | Genuity® Roundup Ready 2 Yield® |
| RRX | Roundup Ready 2 Xtend® |
| ST | Sulfonylurea herbicide tolerant |
