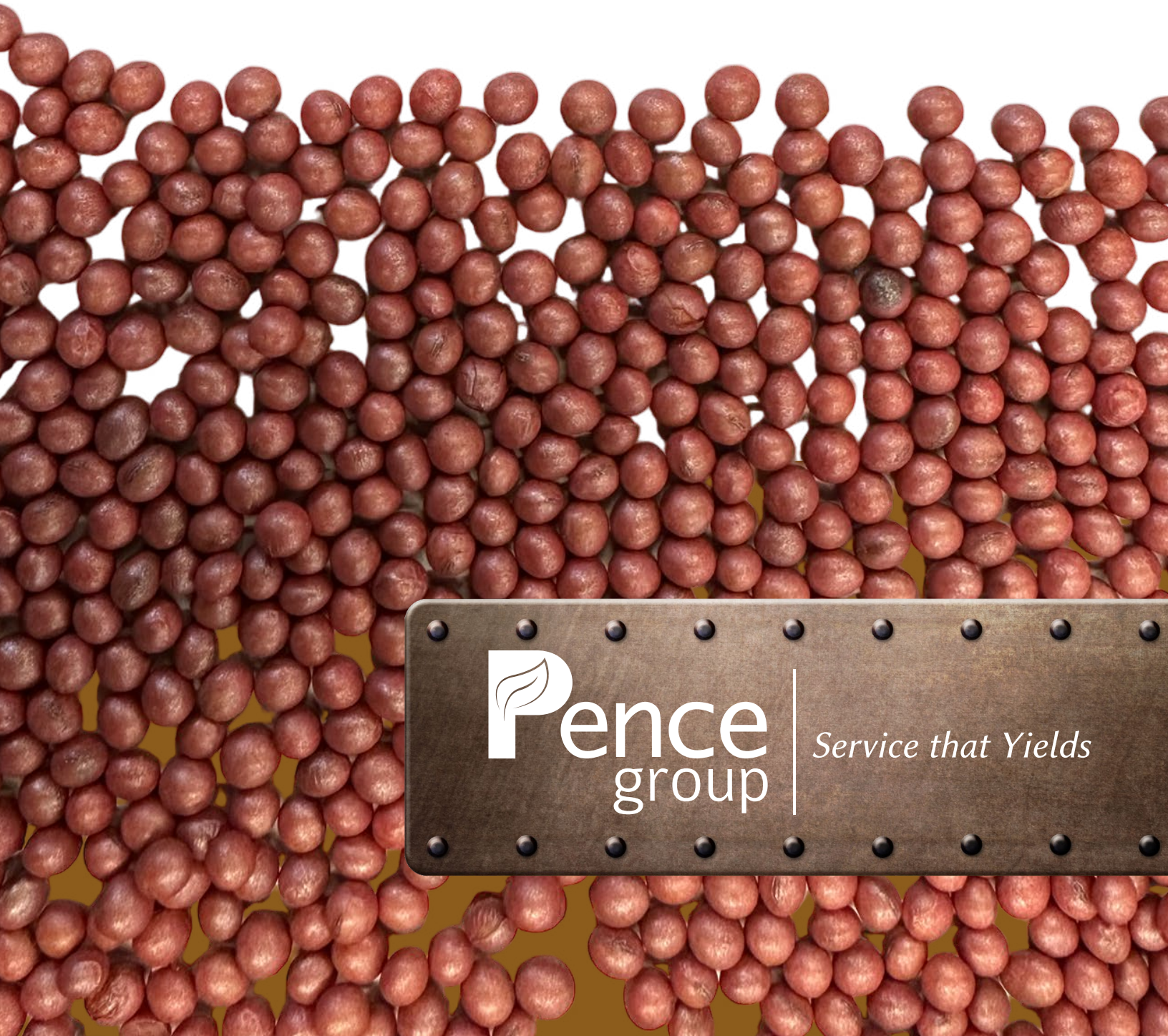


PROVING POTENTIAL

Soybean Seed Treatment
2023 On-Farm Research



Service that Yields

DOES SEED TREATMENT IMPROVE YIELD?

PURPOSE OF RESEARCH

Run replicated trials of the same soybean variety with four different treatment options to analyze ROI on the treatment options across multiple planting conditions and locations.

PACKAGE #1: PG+

Pence Coat Biotrinsic+ treatment is a powerful combination of a bio-fungicide and a biological seed treatment.

PACKAGE #2: MERSCHMAN STARTINGLINE

Merschman's flagship seed treatment combines fungicides, biologicals insecticide and biostimulants.

PACKAGE #3: MERSCHMAN STARTINGLINE+

Merschman's StartingLine treatment package with added benefits of Saltro and Trunemco for greater protection.

RESEARCH FINDINGS

Treated beans on average yielded 3.2bu/a higher than untreated. Soybean treatment did seem to have more of an impact on beans planted earlier in the season and/or planted into colder conditions.

**PROVING
POTENTIAL**

In today's market, a 3.2 bu/a yield bump equals around \$30* per acre, raising the bar on your end-of-season ROI.

*When factoring in added cost of treatment.

PRODUCTION COMPARISONS

| TREATMENT OPTION | MOISTURE | TW | YIELD | YIELD DRAG | RANK |
|------------------|----------|------|-------|------------|------|
| Untreated | 11.3% | 55.3 | 72.0 | 4.8% | 4 |
| PG+ | 11.4% | 56.1 | 74.8 | 2.0% | 2 |
| Starting Line | 11.5% | 55.9 | 74.0 | 2.8% | 3 |
| Startling Line+ | 11.3% | 55.6 | 76.8 | 0% | 1 |

ROI COMPARISONS

| TREATMENT OPTION | YIELD | GROSS \$/ACRE | TREATMENT COST/ACRE | NET \$/ACRE |
|------------------|-------|---------------|---------------------|-------------|
| Untreated | 72.0 | \$936 | \$ - | \$936 |
| PG+ | 74.8 | \$972 | \$9.00 | \$963 |
| Starting Line | 74.0 | \$962 | \$11.00 | \$951 |
| Startling Line+ | 76.8 | \$999 | \$21.00 | \$978 |

Assuming \$13/bu

More About the Variety Studied
 Merschman McKinley
 3.2 Maturity
 Proven winner four years in a row



