

| <h1>4990</h1> <h2>99 Day RM</h2> | Trait Options | Area of Adaptation | | | | PRO-FIT Placement | | | |
|----------------------------------|---|---|----|---|---------------------------------------|--|--|--|--|
| | SmartStaxRIB VT2PRIB | Western <small>West of Miss. River</small> | HR | Moves South well for early season hybrid | HR | Strong performance across central and west | | | |
| | | Central (I-35 to I-65) | HR | | Responds favorably to high-management | | | | |
| | | Eastern <small>East of Miss. River</small> | R | Moves North well for full season hybrid | HR | Very good drydown and late-season intactness | | | |
| | | | | | May consider as dual purpose hybrid | | | | |

| General Characteristics | | Agronomic Features | | Disease Tolerance | |
|--------------------------|--------------|-----------------------|-----------|--------------------------|-----------|
| GDD's Pollination | 1235 | Emergence | Very Good | Gray Leaf Spot | Good |
| GDD's Black Layer | 2410 | Seedling Vigor | Very Good | Northern Leaf Blight | Good |
| Pollination for Maturity | Ave | Stalk Strength | Very Good | Southern Leaf Blight | NA |
| Plant Height | Tall | Root Strength | Very Good | Common Rust | NA |
| Leaf Type | Semi-Upright | Green Snap | Good | Southern Rust | Fair |
| Ear Height | Med-High | Stay Green | Good | Eye Spot | NA |
| Ear Type | Semi-Flex | Drydown | Excellent | Goss's Wilt | Good |
| Kernel Rows | 16-18 | Drought Tolerance | Excellent | Anthrachnose Stalk Rot | Very Good |
| Cob Color | Red | Delayed Harvest | Good | Diplodia Ear Rot | Good |
| Test Weight | Very Good | Response to Fungicide | Yes | Physoderma Node Breakage | Good |
| Husk Coverage | Short | Corn after Corn | Good | Tar Spot | NA |
| Cover Crop Companion | Excellent | Silage Use | Very Good | | |

| Soil Placement | | Nitrogen Application | | | | Recommended Seeding Rates | | | |
|---|----|----------------------|------------------|-------------------|-----------------------|---------------------------|--------------------|--------|-------|
| | | Rotation - Timing | 100% Preplant | Pre/ Sidedress | Starter/ Sidedress | Row Width | Productivity Level | | |
| | | | | | | | Low | Medium | High |
| Light Soils: Low O.M., Low CEC, Low water holding capacity. | R | Corn/Soybean | R | HR | HR | 30" Rows | 30-32 | 32-34 | 34-36 |
| Medium Soils: O.M. 1.5-3.5%, CEC 11-20, Good productivity, well drained silt loams. | HR | | | | | Twin Rows | 31-33 | 33-35 | 35-37 |
| Heavy Soils: High O.M. >3.5%, CEC >20, Well drained highly productive with deep top soil | HR | Corn/Corn | NR | HR | HR | 20" Rows | 32-34 | 34-36 | 36-38 |
| Poorly Drained Soils: Soils that tend to remain saturated for extended periods of time. | R | Corn/Cover | NR | HR | HR | <20" rows | 32-34 | 34-36 | 36-38 |

Population ranges are listed in 1000 seeds/acre

NR=Not Recommended, R=Recommended, HR=Highly Recommended

Notes:

