This past year has been one of tremendous change in the industry, which makes this particular growing season even more special to us.

This year marks our 70th anniversary and we are excited to share this milestone with you, the dealers and growers who are at the heart of our success, and the focus of all we do.

Thanks to you, we have weathered the many storms that have come our way since we assumed the PRIDE Seeds mantle in 1950, and we are now working with third generation growers, continuing our tradition of excellence, and most importantly, performance.

Every day and in every way, we are Focused on Performance, from our products and from ourselves, and as we move into our next 70 years, we remain committed to our steady growth, and yours.

Doug Alderman CCA-ON
Vice President Sales and Marketing
@KERNEL _D

FOCUSED ON PERFORMANCE

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Proud of Our Past: Focused on Our Future
In 1961, Nap’s son Paul joined the family business and became vice-president of the PRIDE Seeds Corn Division, playing a key role in the growth of the largest private seed research program in Canada.

In 1970, the company made the decision to initiate a research program, and the following year a corn milling operation was built and established in Chatham.

In 1976, a new property was purchased across the road from the Pain Court facility and the farm service division was organized. An 850,000 bushel grain elevator was built on the property.

PRIDE Seeds/Semences PRIDE had been a presence in Quebec since the 1950s and the King Company was the first to introduce grain corn production into the province. In recognition of this, Nap King was recognized by Quebec’s Minister of Agriculture with an award as the Father of Grain Corn in Quebec, one of numerous awards he received over his lifetime.

In 1994, King Agro’s Canadian seed operation was sold to Groupe Limagrain of France. In 2000 Groupe Limagrain and KWS Saat AG of Germany joined forces in their North American corn and soybeans operations, creating the joint venture, AgReliant Genetics.

In 2005, AgReliant Genetics purchased its Chatham plant, and the same year, PRIDE founder Napoleon U. Roy (King), died at the age of 93.

In 2010, a significant upgrade of the company’s soybean processing facility was undertaken. The project included enhancements to the bagging and box filling stations, the inclusion of red and white dust aspiration systems and new holding bins for the finished product. A new state-of-the-art treater and a new treatment storage and prep room helped underscore the company’s commitment to the soybean component of the seed business and employee safety.

In 2016 a large new warehouse was added to accommodate the tremendous growth seen by PRIDE Seeds in recent years.

* Pulling Tassels, by Leonard Pegg  ** Chatham-Kent, Heritage Resources

The PRIDE® Seeds story actually began back in the 1930s when a seed cleaning facility was built in a converted log house on the family farm of Napoleon and Gerard King in Pain Court, ON.

In 1938, ‘Nap’ King travelled to the American Midwest to see corn hybrids growing, and crafted a deal to produce four-way hybrids known as Illinois 366, Iowa 931 and an early Ohio variety. That year, he grew 15 acres of the corn hybrids. He then sold the late maturity seed, primarily to neighbours.

“At $8 to $10 a bushel, farmers thought it was pretty expensive, but the corn was very impressive and everyone came to see it,” King later recalled.*

Working in conjunction with an experimental farm in Harrow, ON, King eventually developed the K 300 hybrid, the first licensed variety developed in Canada.

By 1939, hybrid seed corn was being planted by Kent County farmers and Nap King was at the forefront of the industry as the first field of seed was harvested.

In 1941, The Windsor Daily Star carried a story under the heading of “Homemade Corn Drying Plant in Kent Embodies New Principles – Built at Pain Court By Youthful Dealer – Capacity of 3,000 Bushels, It Requires Staff of Seven; Napoleon King Finds It Attracts Business.”

According to the article, the new plant would, “prove the salvation of the corn grower.”**

In 1950, the American PRIDE line of seed was taken on by the King Company, with extensive plot testing to determine the lines best adapted to Canada.
PRIDE Seeds is part of AgReliant Genetics, one of the four largest seed corn companies in North America – Helping Farmers Grow.

Our focus is providing farmers with high performance corn and soybean seed and offering protection with best-in-class traits and technology packages for their seed investment.

AgReliant Genetics – equally owned by Groupe Limagrain (France) and KWS (Germany), the fourth and fifth largest seed companies in the world – boasts one of the top five agricultural research programs in North America with 11 research facilities, as well as additional research operations in Puerto Rico, Peru, Chile, Argentina, Mexico, Germany and France.

AgReliant Genetics has established itself as a leader in seed research, production and quality, becoming one of the fastest-growing, independent seed companies in the industry and has consistently provided value to its customers through forward-thinking seed innovation and technology.

AgReliant Genetics, through PRIDE Seeds in Canada, gives farmers across the nation the opportunity to experience high-yielding product performance, regardless of geographical location or operational size.

Product Support
› Best-in-class genetics combined with industry-leading traits and seed treatment protection
› Global research and state-of-the-art breeding technology
› Robust data collection through pre-commercial research plots, including over 480 trials across North America
› Superior seed quality driven by dedicated production teams
› Industry-leading stand protection policy supports growers in the event of replant or severe stand reduction situations (excludes conventionals)
› 48-hour field support

Agronomy Support
The knowledgeable PRIDE Seeds agronomy team offers boots-on-the-ground assistance with field questions and product positioning to ensure growers can fully leverage the genetic potential of their seed.

Decision Support
Stay informed on timely agronomy information through PRIDE Seeds’ sponsorship of Real Agriculture cornschool.com and soybeanschool.com, or follow PRIDE’s team reporting from the field @PRIDEESEEDS on Twitter.

Payment Options and Programs
› Flexible payment options include Visa® and MasterCard®
› Attractive early cash discounts
› Partner Plan extended credit programs help growers better manage their cash flow
The PRIDE Seeds product line is derived from a global breeding and testing program, designed to develop and select best-in-class corn hybrids and soybean varieties. Matching best-in-class genetics with farm-best trait and treatment technologies optimizes and mitigates many of the risks associated with crop production. PRIDE Seeds is an industry leader with a complete portfolio of RIB Complete® products.

**Traits that Deliver**

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<tr>
<th></th>
<th>PRIDE G SERIES</th>
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<th>SmartStax® RIB Complete®</th>
<th>VT Double PRO® RIB Complete®</th>
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<td>ROUNDP®</td>
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= Single Mode of Activity

= Dual Mode of Activity

= Triple Mode of Activity
A3993G2 RIB
2025

- Very early grain and grazing hybrid for short season maturity zones.
- Rapid emergence and superb seedling vigour for a fast early season start.
- Early flowering and early maturing.
- Very nice grain quality and consistency.
- Brings excellent yield potential to this very early maturity zone.

A4199G2 RIB
2150

- Dependable yield performance potential.
- Rapid emergence and superb seedling vigour for a fast stand establishment.
- Early flowering and early maturing.
- Nice grain quality and consistency.

A4414RR
2150

- Consistent multi-purpose grain, silage and grazing hybrid.
- Very strong stalks and root strength.
- Visually attractive with fixed ear type.
- Keep progressive populations to maximize yield.

A4514RR
2275

- High performance Roundup Ready® dual-purpose grain and silage hybrid.
- Excellent yield performance potential with fast drydown.
- Fast stand establishment and very good seedling vigour make it a good choice for early planting.
### A4646G2 RIB 2300
- High performance, dual-purpose grain and silage hybrid.
- Excellent yield performance potential with fast drydown.
- Fast stand establishment and very good seedling vigour make it a good choice for early planting.
- Well-balanced plant with nice stature.

### A4939G2 RIB 2400
- A focus hybrid that has a proven track record over multiple years.
- Tremendous yield potential across various environments and populations.
- Great choice as dual-purpose grain and silage hybrid.
- Consistent, girthy ear style.
- Maintains plant integrity and attractive appearance through late season.

### A5092 2450
- Features early flowering and finish.
- Consistent, long ear length with deep kernels.
- Easily adapts to all environments, including stressed soils.
- Exceptional late season stalk strength and intactness.

### A5225G2 RIB 2575
- Proven focus hybrid with outstanding performance over many years.
- A medium statured plant featuring consistent yield potential and strong agronomics.
- This grain hybrid has open flared husks for enhanced drydown.
- Rapid emergence and strong spring vigour allow for early planting.
- Best performance with aggressive populations. Medium/Short blocky ear style.
A5430
2625
- Conventional hybrid with proven performance and strong yield potential.
- Great drought and stress tolerance.
- Flexible as a dual-purpose usage hybrid.
- Early flowering with very strong late season intactness and stalk strength.

A5432G2 RIB
2650
- Proven performance with strong yield potential.
- Flexible as a dual-purpose hybrid.
- Early flowering with very strong, late season intactness and stalk strength.
- Great drought and stress tolerance.

A5909G2 RIB
2675
- Proven winner with exceptional grain quality.
- Excellent late season intactness with very good stalk strength and late season health.
- Very good test weight with fast drydown.
- Can position north given early flowering for maturity rating.
- Very strong yield and agronomics.
- Produces consistent, girthy, blocky ears.

A5910
2700
- Conventional hybrid with strong top-end yield potential.
- Versatile hybrid for a wide range of soils and conditions.
- Fast drydown for very favourable yield-to-moisture ratios.
- Excellent foliar health and disease tolerance.
- Attractive harvest appearance to allow for late season harvest flexibility.
- Features blocky, girthy ears and consistent uniformity.

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<th>DRYDOWN</th>
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FOCUSED ON PERFORMANCE / 15
**A5914G2 RIB**
2700

- Strong top-end yield potential.
- Versatile hybrid for a wide range of soils and conditions.
- Fast drydown for favourable yield-to-moisture ratios.
- Excellent foliar health and disease tolerance.
- Attractive harvest appearance to allow for late season harvest flexibility.
- Features blocky, girthy ears and consistent uniformity.

**A6028G2 RIB**
2775

- Consistently meets performance expectations.
- Robust stalk and root strength with very good late-season intactness.
- Rapid finish and drydown.
- Attractive fall appearance with exceptional ear size, consistency and performance.
- Broad leaf structure that forms a quick leaf canopy.

**A6102G8 RIB**
2800

- G8 version of A6028G2 RIB with below-ground insect protection.
- Consistently meets performance expectations.
- Robust stalk and root strength with very good late-season intactness.
- Attractive fall appearance with exceptional ear size consistency and performance.
- Rapid leaf canopy and outstanding late-season standability.
- Rapid finish and drydown.

---

**CHOOSE YOUR TREATMENT OPTION:**

PRIDE Seeds offers a complete range of treatment options depending on your pest pressure.

**Fortenza® Maxim® Quattro** when applied with **Stamina™** in corn provides powerful early-season insect and disease control, setting the new standard for seed treatment. **Fortenza® Maxim® Quattro** delivers exceptional early-season insect control of *European Chafer*, *Wireworm* and *Cutworm*.

The addition of **Stamina™** offers increased seedling vigour for more consistent and uniform emergence with greater ability to manage minor environmental stress for maximum yield potential and a great start to the season.

Available on the complete lineup of PRIDE Seeds corn.
# Determining Plant Populations

## Row Length

Table 1-2. Length of Row Required for a Thousandth of an Acre at Various Row Widths

<table>
<thead>
<tr>
<th>Row Width</th>
<th>Length of Row = to 1/1,000 acre</th>
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<tbody>
<tr>
<td>centimetres</td>
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<tr>
<td>38</td>
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<td>86</td>
<td>34</td>
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<td>91</td>
<td>36</td>
</tr>
<tr>
<td>97</td>
<td>38</td>
</tr>
</tbody>
</table>
### HYBRID NAME

| HYBRID NAME | CRU | RELATIVE MATURITY | NIGHT/COLDING RESIST | TRAITS | PRIME DESIGN | SERVICE TOLERANCE | SPRING/YIELD | STALK/STRENGTH | DROUGHT TOLERANCE | FLOWERING | EAR TYPE | PLANT HEIGHT | STAY-GREEN | DRYDOWN | TEST WEIGHT | PLANT HEALTH | GROSS & WELT | BLACK LAYER | KERNAL TEXTURE | GLOBEBLE CAR WIN | GROSS | GLOBEBLE CAR WIN | HOST COVERAGE | H. DECEMBER | H. DECEMBER | HARVEST TIMING | frühreif | frühreif | frühreif | frühreif | frühreif |
|-------------|-----|--------------------|----------------------|--------|--------------|-------------------|--------------|----------------|-------------------|------------|----------|-------------|------------|--------|-------------|-------------|-------------|-------------|----------------|----------------|----------------|----------------|----------|----------|----------|----------|----------|
| A3993G2 RIB | 2025 | 72 | 1080 | VT2PR1B | ROUNDUP® | EXC | VG | EXC | VG | E | F | M | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2175 | 14 | HARD | 2 | ADEQUATE | 34-36 | FLEXIBLE |
| A4196G2 RIB | 2150 | 75 | 1090 | VT2PR1B | ROUNDUP® | EXC | G | EXC | G | E | F | M | G | VG | VG | VG | VG | VG | VG | VG | VG | 2180 | 14 | MEDIUM HARD | 1 | FLARED | 32-34 | MID |
| A4414R | 2150 | 76 | 1095 | RR | ROUNDUP® | VG | EXC | VG | VG | A | F | T | VG | EXC | EXC | G | VG | VG | VG | VG | VG | VG | VG | 2180 | 16 | HARD | 1 | ADEQUATE | 32-34 | FLEXIBLE |
| A5062 | 2450 | 81 | 1125 | CONVENTIONAL | ROUNDUP® | VG | EXC | EXC | EXC | E | F | M | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2248 | 14-16 | MEDIUM | 1 | ADEQUATE | 34-38 | FLEXIBLE |
| A5225G2 RIB | 2575 | 84 | 1150 | VT2PR1B | ROUNDUP® | EXC | EXC | EXC | VG | E | F | M | G | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2250 | 16 | MEDIUM | 1 | ADEQUATE | 32-36 | FLEXIBLE |
| A5430 | 2625 | 85 | 1165 | CONVENTIONAL | ROUNDUP® | VG | EXC | EXC | VG | A | SF | T | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2300 | 16 | MEDIUM | 1 | ADEQUATE | 32-36 | FLEXIBLE |
| A5432G2 RIB | 2660 | 86 | 1170 | VT2PR1B | ROUNDUP® | VG | EXC | VG | VG | A | SF | T | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2310 | 16 | MEDIUM | 1 | ADEQUATE | 32-36 | FLEXIBLE |
| A5910 | 2675 | 88 | 1175 | VT2PR1B | ROUNDUP® | VG | EXC | VG | VG | E | SF | M | T | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2320 | 16 | MEDIUM HARD | 1 | ADEQUATE | 32-36 | FLEXIBLE |
| A5914G2 RIB | 2700 | 88 | 1185 | VT2PR1B | ROUNDUP® | VG | EXC | VG | VG | A | FL | T | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2350 | 16-18 | MEDIUM | 2 | ADEQUATE | 32-36 | FLEXIBLE |
| A6026G2 RIB | 2775 | 90 | 1195 | VT2PR1B | ROUNDUP® | VG | EXC | VG | VG | A | F | MT | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2375 | 16 | MEDIUM | 2 | ADEQUATE | 34-38 | FLEXIBLE |
| A6102G4 RIB | 2800 | 91 | 1200 | STXR1B | ROUNDUP® & LIBERTY® | VG | EXC | VG | EXC | A | F | MT | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | VG | 2380 | 16 | MEDIUM | 2 | ADEQUATE | 34-38 | FLEXIBLE |

### Ratings:

- **EXC** = Excellent
- **VG** = Very Good
- **G** = Good
- **F** = Fair
- **T** = Tall
- **M/T** = Medium Tall
- **S** = Short
- **V/T** = Very Tall
- **E** = Early
- **L** = Late
- **A** = Average
- **FL** = Fixed
- **SF** = Semi-Flex
- **FL** = Flex
- **RR** = Roundup®
- **VT2PRIB** = Liberty®
- **STXRIB** = Liberty®

### Characteristics:
- **RR** = Roundup® technology
- **VT2PRIB** = Liberty®
- **STXRIB** = Liberty®

**Note:** Characteristics are assigned by PRIDE® based on comparisons with other PRIDE® products (not competitive products) through in-house field testing. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.
| HYBRID NAME | CHU RANGE | RM RANGE | MID FLOWERING GDU | TRAIT | PC | CORN PROTEIN | MOJO | MILK OR BEEF YIELD | SPRAVIO | FLOWERING | EAR TYPE | PLANT HEIGHT | DROUGHT TOLERANCE | STALK STRENGTH | PLANT HEALTH | TRAIT | PRIDE IDENTIFIER | HERBICIDE TOLERANCE | EDG OR EDP | STARCH | CRUDE PROTEIN | NDFD | MILK OR BEEF TONNE | EMERGENCE | SNAPPING | Goss’s WILT | EMERGENCE |
|-------------|-----------|----------|-------------------|-------|---|-------------|------|-------------------|--------|-----------|---------|-------------|------------------|---------------|------------|-------------|-------|-----------------|-------------|---------|-----------|---------|
| AS1017RR EDF | 2050-2250 | 71-75    | 1125             | RR    | ROUNDUP® | EDF | VG | VG | VG | VG | VG | VG | L | F | VT | G | EXC | EXC | EXC | EXC | EXC | EXC | EXC | EXC |
| A4414RR | 2060-2175 | 72-75 | 1110 | RR | ROUNDUP® | EDP | EXC | VG | VG | VG | VG | VG | E | F | T | F | EXC | EXC | EXC | VG | EXC | EXC | EXC | VG |
| A4477WM | 2150-2250 | 73-77 | CONVENTIONAL | EDP | VG | EXC | VG | VG | VG | VG | VG | E | F | T | F | EXC | EXC | EXC | EXC | EXC | EXC | VG |
| A4509MRB | 2215-2250 | 74-77 | RR | ROUNDUP® | EDF | G | VG | VG | VG | VG | VG | E | SF | T | G | VG | EXC | EXC | EXC | VG | EXC | VG | VG |
| A5144RR | 2200-2235 | 74-76 | RR | ROUNDUP® | EDP | EXC | VG | VG | VG | VG | VG | A | FL | MT | T | VG | EXC | VG | VG | VG | VG | VG | VG |
| A4465R2 RIB | 2215-2250 | 75-77 | 1120 | VERT2PRIB | EDF | VG | VG | VG | VG | VG | VG | VG | A | SF | MT | T | VG | EXC | VG | VG | VG | VG | VG |
| A4936R2 RIB | 2230-2375 | 77-80 | 1130 | VERT2PRIB | EDF | VG | VG | VG | VG | VG | VG | VG | A | SF | MT | VG | EXC | VG | VG | VG | VG | VG | VG |
| A5102RR EDF | 2275-2450 | 78-81 | 1135 | RR | ROUNDUP® | EDP | VG | VG | VG | VG | VG | VG | E | F | T | G | VG | EXC | VG | VG | VG | VG | VG |
| A5103RR EDF | 2275-2450 | 78-81 | 1140 | RR | ROUNDUP® | EDP | VG | VG | VG | VG | VG | VG | A | SF | MT | G | VG | EXC | VG | VG | VG | VG | VG |
| A5104RR EDF | 2275-2475 | 78-82 | RR | ROUNDUP® | EDP | VG | VG | VG | VG | VG | VG | VG | A | FL | VT | G | VG | EXC | VG | VG | VG | VG | VG |
| A4366R2 RIB | 2415-2575 | 81-84 | 1170 | VERT2PRIB | EDF | VG | VG | VG | VG | VG | VG | VG | E | SF | T | VG | VG | VG | VG | VG | VG | VG | VG |

**Ratings:**
- EXC = Excellent
- G = Good
- NR = Not Rated

**Plant Height:**
- S = Short
- M = Medium
- T = Tall
- E = Extra Tall

**Flowering:**
- E = Early
- A = Average
- A/L = Average Late

**Ear Type:**
- F = Fixed
- SF = Semi-Flex
- FL = Flex

**Traits:**
- VT2 = Vic-Two
- RR = Roundup®
- TT = Liberty®

Characteristics are assigned by PRIDE® based on comparisons with other PRIDE® products (not competitive products) through in-house field testing. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of what you may obtain in local growing, soil and weather conditions. Growers should evaluate data from multiple locations and years whenever possible.

SILAGE CORN

- TDN (total digestible nutrients), crude protein, energy (NEL, net energy for lactation), ADF/NDF (acid detergent fibre, neutral detergent fibre). Ratings: 9 = outstanding, 1 = poor, NR = Not Recommended.

**Characteristics:**
- Contains grain, cellulose, and other plant-based plant metabolism content. Lower value is better.
- Total starch content, cellulose, hemicellulose, and lignin. Lower values better.
- Acid detergent fibre (ADF), neutral detergent fibre (NDF). Lower value is better.
- In-vitro digestibility of whole plant. Higher value is better.
- Laboratory rumen digestibility procedure run for 48 hours. Higher value is better.
- Silage ground and kernel fractured for evaluation. Higher value is better.

Use the same year(s) when comparing data among hybrids. Later maturity hybrids generally will yield higher tonnage. **NEW FOR 2020**
At PRIDE Seeds, we go beyond field appearance to ensure our hybrids deliver what matters most at harvest: yield, energy, digestibility, palatability and overall nutritional value. Our team can help you manage your crop from start to finish, from variety selection, agronomics, harvest and storage management, to helping you maximize the yield, quality potential and performance you need to improve the productivity of your herd investment. Maximize milk and meat production per acre with PRIDE TRS.

**What is PRIDE TRS?**

PRIDE Total Ration Solutions (TRS) is the testing and information program we use to identify our best forage products. Alfalfa, together with Effective Digestible Fibre (EDF) and Effective Dual Purpose (EDP) silage hybrids, varieties and forage mixtures, are designed to meet the energy, digestibility and protein needs of dairy and beef operations today.

**PRIDE TRS system** identifies hybrids which maximize silage yield potential and quality. Hybrids are further segmented into two groups:

- **Effective Digestible Fibre (EDF)** hybrids are silage specific and offer the advantage of high digestibility and palatability for improved feeding efficiency.
- **Effective Dual Purpose (EDP)** hybrids offer consistent high energy and silage quality PLUS the flexibility to use as a grain hybrid depending on your operational needs.
### AS1017RR EDF
2050-2250

- Early silage, high-moisture corn, offering opportunity in shorter season growing areas.
- Slow grain-drying rate preserves reliable and consistent feed quality at ideal moisture content.
- Strong emergence and aggressive spring vigour.
- Tall uniform plant height. Produces consistent ear size, producing flint kernels on white cob.

### A4414RR
2050-2175

- Features dual-purpose characteristics.
- Combines early maturity with very good digestibility for high energy yield.
- Outstanding emergence, standability and health.
- Long lasting staygreen.
- Early grain maturity ensuring a high starch content and an early harvest.

### A4477HM
2150-2250

- Conventional silage, high moisture, higher grain density and disease tolerance.
- Slow grain-drying rate preserves reliable and consistent feed quality at ideal moisture content.
- Exceptional emergence and aggressive spring vigour for early maturity zone.
- High starch levels provide excellent quality silage.
- Excellent for grazing use with high yield, nutrition and strong stalks.

### A4705HMRR
2225-2350

- Benchmark product for the silage, grazing and high moisture corn grower.
- Slow grain-drying rate preserves reliable and consistent feed quality at a wide harvest window.
- Consistently high quality, energy content and intake potential.
- Strong emergence and aggressive spring vigour for early maturity zone.
- Excellent for grazing use with high yield, nutrition and strong stalks.
SILAGE CORN

**A4514RR**
2200-2325

- NEW dual-purpose grain and silage. Roundup Ready® hybrid ideally suited for 2225 CHU regions.
- Combines very good digestibility and high starch content for high energy yield. Strong emergence, standability and health.
- Early grain maturity ensures a high starch content and an early harvest.

**A4646G2 RIB**
2225-2350

- NEW dual-purpose grain and silage hybrid ideally suited for 2250 CHU regions.
- Combines very good digestibility and high starch content for high energy yield.
- Strong emergence, standability and health.
- Early grain maturity ensures a high starch content and an early harvest.

**A4939G2 RIB**
2250-2375

- Ideal balance of forage yield and energy content.
- Maximum starch yield with rock solid performance.
- Consistent top-end tonnage punch with flex ears.
- An excellent dual-purpose grain or silage hybrid choice for varying soil types.
- Very good nutritional grain quality, outstanding health and agronomics.
- Good option for high quality silage with a high energy content and starch levels.

**AS1027RR EDF**
2275-2450

- NEW introductory choice for high moisture corn or silage feed.
- Very tall plant with consistent ears that produce flint kernels on white cob.
- Excellent silage characteristics, yield and energy content.
- Slow grain and plant-drying rate preserves reliable and consistent feed quality at ideal moisture content.
- Excellent choice for beef feedlot producers.
- Additional staygreen nature for a wider harvest window.
**AS1037RR EDF**  
2275-2450

- High performance choice for high moisture corn or silage feed.
- Tall plant with consistent ears that produce flint kernels on white cob.
- Excellent silage characteristics, yield and energy content.
- Slow grain and plant drying rate preserves reliable and consistent feed quality at ideal moisture content.
- Additional staygreen nature for a wider harvest window.
- Outstanding health and standability.

**AS1047RR EDF**  
2275-2475

- Premium choice for high moisture corn or silage feed. Mass type, high volume plant.
- Big, tall plant with girthy ears that produce flint kernels on white cob.
- Features consistent, heavy top-end tonnage.
- Slow plant and grain drying rate preserves reliable and consistent feed quality at ideal moisture content.
- Extremely well-suited for beef feedlot producers.

**A5432G2 RIB**  
2425-2575

- Unrivalled starch content and productive starch yield.
- Excellent drought and stress tolerance.
- Early flowering for maturity rating.
- Medium-Tall plant with consistent full ear size.
- Increased energy for more milk/beef produced.
- Good emergence, early vigour, standability and health ensure maximum performance.

**A6015**  
2625-2775

- Great dual-purpose characteristics for delivering high silage tonnage.
- Long-lasting staygreen and health.
- Combines high starch content with digestibility to deliver superb energy-dense silage and impressive milk/acre levels.
- Safe maturity for the majority of mainstream sites in this maturity zone.

---

**Performance Ratings:**

<table>
<thead>
<tr>
<th>AS1037RR EDF</th>
<th>AS1047RR EDF</th>
<th>A5432G2 RIB</th>
<th>A6015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starch</td>
<td>VG</td>
<td>VG</td>
<td>VG</td>
</tr>
<tr>
<td>CRUDE PROTEIN</td>
<td>EXC</td>
<td>VG</td>
<td>VG</td>
</tr>
<tr>
<td>NDFD</td>
<td>VG</td>
<td>VG</td>
<td>VG</td>
</tr>
</tbody>
</table>

**Crop Map:**

- **AS1037RR EDF**
  - 2275-2450
- **AS1047RR EDF**
  - 2275-2475
- **A5432G2 RIB**
  - 2425-2575
- **A6015**
  - 2625-2775
CORN SCOUTING CALENDAR

APR | MAY | JUNE | JULY | AUG | SEP | OCT
---|---|---|---|---|---|---
seedling blights | root rots | Holcus leaf spot | corn rootworm (larvae) | armies | corn rootworm (adults) | 2nd brood European corn borer
anthracnose leaf blight | anthracnose stalk rot | Goss’s bacterial wilt and leaf blight | 2nd brood corn borers | Japanese beetle | fall armyworm | 3rd brood European corn borer
Stewart’s Wilt | Stewart’s Wilt (leaf blight phase) | leaf blights (gray leaf spot, northern corn | 1st brood corn borers | corn earworm | 1st brood corn borers | 2nd brood European corn borer
leaf blight, etc.) | smut, virus diseases | crazy top | all stalk rots | corn earworm | 3rd brood corn borers | Japanese beetle
rodents | slugs | common rust | southern rust | other cutworms | grasshoppers | corn leaf aphid
wireworms | brown stink bug | black cutworm | small cutworms | army worm | stalk borer | Japanese beetle
other cutworms | army worm | stalk borer | two spotted spider mite | corn rootworm (larvae) | 1st brood corn borers | corn leaf aphid

ASSESSING CORN STANDS

Table 3-17. Expected Grain Yield Due to Various Planting Dates and Populations

<table>
<thead>
<tr>
<th>Date Planted</th>
<th>Plant Populations (plants/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10K</td>
</tr>
<tr>
<td>20-APR</td>
<td>62</td>
</tr>
<tr>
<td>25-APR</td>
<td>65</td>
</tr>
<tr>
<td>30-APR</td>
<td>67</td>
</tr>
<tr>
<td>4-MAY</td>
<td>68</td>
</tr>
<tr>
<td>9-MAY</td>
<td>68</td>
</tr>
<tr>
<td>14-MAY</td>
<td>67</td>
</tr>
<tr>
<td>19-MAY</td>
<td>65</td>
</tr>
<tr>
<td>24-MAY</td>
<td>63</td>
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<td>29-MAY</td>
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<tr>
<td>3-JUN</td>
<td>54</td>
</tr>
<tr>
<td>8-JUN</td>
<td>49</td>
</tr>
</tbody>
</table>

From OMAFRA Publication 811

Adapted from University of Illinois data E.D. Nafziger. 1994. Journal of Production Agriculture. Original data from Illinois was shifted 10 days later to reflect optimal planting dates in Ontario.
Within-Row Kernel Spacings for Different Row Widths and Seeding Rates

<table>
<thead>
<tr>
<th>Row Width (inches)</th>
<th>15</th>
<th>20</th>
<th>30</th>
<th>36</th>
<th>38</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEEDS/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20,000</td>
<td>20.9</td>
<td>15.7</td>
<td>10.5</td>
<td>8.7</td>
<td>8.3</td>
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</tr>
<tr>
<td>22,000</td>
<td>19</td>
<td>14.3</td>
<td>9.5</td>
<td>7.9</td>
<td>7.5</td>
<td>7.1</td>
</tr>
<tr>
<td>24,000</td>
<td>17.4</td>
<td>13.1</td>
<td>8.7</td>
<td>7.3</td>
<td>6.9</td>
<td>6.5</td>
</tr>
<tr>
<td>26,000</td>
<td>16.1</td>
<td>12.1</td>
<td>8</td>
<td>6.7</td>
<td>6.3</td>
<td>6</td>
</tr>
<tr>
<td>28,000</td>
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<td>11.2</td>
<td>7.5</td>
<td>6.2</td>
<td>5.9</td>
<td>5.6</td>
</tr>
<tr>
<td>30,000</td>
<td>13.9</td>
<td>10.5</td>
<td>7</td>
<td>5.8</td>
<td>5.5</td>
<td>5.2</td>
</tr>
<tr>
<td>32,000</td>
<td>13.1</td>
<td>9.8</td>
<td>6.5</td>
<td>5.4</td>
<td>5.2</td>
<td>4.9</td>
</tr>
<tr>
<td>34,000</td>
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<td>9.2</td>
<td>6.1</td>
<td>5.1</td>
<td>4.9</td>
<td>4.6</td>
</tr>
<tr>
<td>36,000</td>
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<td>4.8</td>
<td>4.6</td>
<td>4.4</td>
</tr>
<tr>
<td>38,000</td>
<td>11</td>
<td>8.3</td>
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<td>4.6</td>
<td>4.3</td>
<td>4.1</td>
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<tr>
<td>40,000</td>
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<td>7.8</td>
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<td>4.4</td>
<td>4.1</td>
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<tr>
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<tr>
<td>44,000</td>
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<td>46,000</td>
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<td>3.4</td>
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</table>

Yield Loss in Corn Due to Premature Plant Death

<table>
<thead>
<tr>
<th>Time of Death</th>
<th>Leaves Only</th>
<th>Whole Plant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft dough</td>
<td>35</td>
<td>55</td>
</tr>
<tr>
<td>Full dent</td>
<td>27</td>
<td>41</td>
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<tr>
<td>Milk line ½ down kernel</td>
<td>6</td>
<td>12</td>
</tr>
</tbody>
</table>

Effect of Premature Plant Death on Whole Plant and Grain Moisture

<table>
<thead>
<tr>
<th>Time of Death</th>
<th>Percent Moisture of:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Grain</td>
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<tr>
<td>Soft dough</td>
<td>65</td>
</tr>
<tr>
<td>Full dent</td>
<td>55</td>
</tr>
<tr>
<td>Milk line ½ down kernel</td>
<td>40</td>
</tr>
<tr>
<td>Normal black layer development</td>
<td>33</td>
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</tbody>
</table>

Sources: Tables adapted from Purdue Extension publications NCH-18, Weather Stress in the Corn Crop, and NCH-57, Handling Corn Damaged by Autumn Frost.
## Estimated Concrete Silo Capacities (tonnes)*

<table>
<thead>
<tr>
<th>Silo Size</th>
<th>Alfalfa Silage</th>
<th>Corn Silage</th>
<th>Ground Ear Corn</th>
<th>Whole Shelled Corn</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft</td>
<td>50% 60%</td>
<td>60% 65%</td>
<td>30% 35%</td>
<td>25% 30%</td>
</tr>
<tr>
<td>12X30</td>
<td>40 52</td>
<td>49 56</td>
<td>66 75</td>
<td>74 81</td>
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<tr>
<td>12X40</td>
<td>56 73</td>
<td>68 79</td>
<td>89 102</td>
<td>99 109</td>
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<tr>
<td>12X50</td>
<td>71 94</td>
<td>88 101</td>
<td>113 129</td>
<td>125 137</td>
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<td>14X40</td>
<td>78 103</td>
<td>96 110</td>
<td>123 141</td>
<td>137 150</td>
</tr>
<tr>
<td>14X50</td>
<td>101 134</td>
<td>124 143</td>
<td>155 179</td>
<td>172 189</td>
</tr>
<tr>
<td>14X55</td>
<td>113 149</td>
<td>139 159</td>
<td>172 198</td>
<td>190 209</td>
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<tr>
<td>16X50</td>
<td>137 181</td>
<td>167 191</td>
<td>237 276</td>
<td>227 249</td>
</tr>
<tr>
<td>16X60</td>
<td>169 224</td>
<td>206 235</td>
<td>249 287</td>
<td>274 301</td>
</tr>
<tr>
<td>16X65</td>
<td>185 245</td>
<td>225 258</td>
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<td>18X50</td>
<td>178 236</td>
<td>216 247</td>
<td>263 303</td>
<td>289 318</td>
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<tr>
<td>18X60</td>
<td>221 293</td>
<td>266 304</td>
<td>318 368</td>
<td>350 384</td>
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<tr>
<td>18X70</td>
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<td>317 361</td>
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<tr>
<td>20X60</td>
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<td>335 381</td>
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<tr>
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<td>399 453</td>
<td>466 541</td>
<td>510 561</td>
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<td>464 526</td>
<td>536 622</td>
<td>585 644</td>
</tr>
<tr>
<td>24X60</td>
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<td>494 560</td>
<td>578 670</td>
<td>632 694</td>
</tr>
<tr>
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<td>590 667</td>
<td>681 790</td>
<td>742 816</td>
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<tr>
<td>24X80</td>
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<td>685 773</td>
<td>784 910</td>
<td>852 938</td>
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<td>24X90</td>
<td>690 908</td>
<td>782 880</td>
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<tr>
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<td>1164 1343</td>
<td>1242 1442</td>
<td>1346 1480</td>
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<tr>
<td>30X90</td>
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<td>1341 1547</td>
<td>1405 1633</td>
<td>1521 1673</td>
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<tr>
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<td>1301 1692</td>
<td>1520 1754</td>
<td>1569 1824</td>
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<td>30X110</td>
<td>1457 1891</td>
<td>1701 1962</td>
<td>1734 2016</td>
<td>1872 2060</td>
</tr>
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</table>

**Note:** 1 tonne = 1000kg.
The capacity in tons (2000lb) can be obtained by multiplying the capacities in the table by 1.1.
Moisture content is in percent (wet basis).

For more complete information refer to Agdex100/732.
**FORAGES**

<table>
<thead>
<tr>
<th><strong>GALAXY (ALFALFA)</strong></th>
<th><strong>PRIZE (ALFALFA)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONVENTIONAL</strong></td>
<td><strong>CONVENTIONAL</strong></td>
</tr>
</tbody>
</table>

Delivers an impressive combination of high forage yield and quality potential. Multiple resistance characteristics to several important alfalfa pests. 110% forage yield performance, relative to commercial checks in 1st and 2nd production year. A variety that combines fall dormancy with excellent winter-hardiness and fast recovery. Includes a high-quality producing tap root for high traffic and grazing tolerance.

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Galaxy</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial Wilt</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Verticillium Wilt</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Phytophthora Root Rot</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Aphanomyces Root Rot (Race 1)</td>
<td>HR</td>
<td>NR</td>
</tr>
<tr>
<td>Aphanomyces Root Rot (Race 2)</td>
<td>HR</td>
<td>NR</td>
</tr>
<tr>
<td>Fall Dormancy</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>Winter Hardiness</td>
<td>VH</td>
<td>H</td>
</tr>
<tr>
<td>Persistence</td>
<td>VH</td>
<td>VH</td>
</tr>
<tr>
<td>Recovery After Harvest</td>
<td>VF</td>
<td>VF</td>
</tr>
<tr>
<td>Digestibility/Feed Value</td>
<td>EXC</td>
<td>VG</td>
</tr>
<tr>
<td>Standability</td>
<td>EXC</td>
<td>EXC</td>
</tr>
<tr>
<td>Traffic Tolerance</td>
<td>EXC</td>
<td>VG</td>
</tr>
</tbody>
</table>

Delivers high forage quality and excellent yield. Fine stems with leafy, uniform canopy. Excellent persistence helps maintain a profitable crop through the lifecycle.

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Galaxy</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial Wilt</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Verticillium Wilt</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Phytophthora Root Rot</td>
<td>HR</td>
<td>HR</td>
</tr>
<tr>
<td>Aphanomyces Root Rot (Race 1)</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Aphanomyces Root Rot (Race 2)</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Fall Dormancy</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>Winter Hardiness</td>
<td>H</td>
<td>H</td>
</tr>
<tr>
<td>Persistence</td>
<td>VH</td>
<td>VH</td>
</tr>
<tr>
<td>Recovery After Harvest</td>
<td>VF</td>
<td>VF</td>
</tr>
<tr>
<td>Digestibility/Feed Value</td>
<td>VG</td>
<td>VG</td>
</tr>
<tr>
<td>Standability</td>
<td>EXC</td>
<td>EXC</td>
</tr>
<tr>
<td>Traffic Tolerance</td>
<td>VG</td>
<td>VG</td>
</tr>
</tbody>
</table>
**FORAGES**

**STARGAZER**
CONVENTIONAL

**EQUINOX**
CONVENTIONAL

**PINNACLE**
CONVENTIONAL

**PERFORMER**
CONVENTIONAL

**80% GALAXY ALFALFA + 20% RICHMOND TIMOTHY.**

This mixture includes multifoliate alfalfa and medium to dark green timothy exhibiting high performance in palatability, dry matter yield and forage quality. Forage will include increased fibre digestibility and energy resulting in a high relative feed quality (RFQ) rating. Features fast recovery, superior cold tolerance and increased drying rate. Richmond is an early maturing grass known for its high yield and its excellent regrowth in a multi-cut alfalfa system, ensuring uniform grass content in each cut. Great choice for haylage for maximum yield with early first cut.

**60% GALAXY ALFALFA + 40% RICHMOND TIMOTHY.**

A mixture of less alfalfa and a higher content of timothy for increased fibre content in the ration. Forage features high performance in palatability, dry matter yield and forage quality. Increased fibre digestibility and energy resulting in high relative feed quality (RFQ) rating. Accelerated swath drying rate, fast recovery and superior cold tolerance. Richmond is an early maturing grass known for its high yield and its excellent regrowth in a multi-cut alfalfa system ensuring uniform grass content in each cut. Great choice for haylage for maximum yield with early first cut.

**80% PRIZE ALFALFA + 20% RICHMOND TIMOTHY.**

Mixture of multifoliate alfalfa and timothy exhibiting excellent persistence and drought tolerance. Excellent forage quality and persistence to maintain profitable grazing rotation. Alfalfa features fine stems and leafy, uniform canopy.

**60% PRIZE ALFALFA + 40% RICHMOND TIMOTHY.**

Mixture of multifoliate alfalfa and high content of Richmond timothy. PRIZE alfalfa with high resistance to all major diseases, delivers consistent, stable yields and a persistence package to maintain a profitable rotation.
Richmond is an early maturing grass known for its high yield and its excellent regrowth in a multi-cut alfalfa system ensuring uniform grass content in each cut. Great choice for haylage for maximum yield with early first cut.

Characteristics are assigned by PRIDE® based on comparisons with other PRIDE® products (not competitive products) through in-house field testing. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.
SOYBEANS

PS 0044 XRN
2425

- Roundup Ready 2 Xtend® variety.
- Ideally suited for the early to mid-MG00 season zones’ broad acre placement as it has very good stress tolerance, an excellent disease package and strong yield potential.
- Value-added SCN and Phytophthora Rps 1k root rot protection and Semi-Tolerant IDC rating.
- Provides tolerance to dicamba and glyphosate herbicides.

PS 0068 XR
2450

- Roundup Ready 2 Xtend® variety ideally suited for the mid-MG00 season zones.
- An excellent disease package along with Tolerant IDC rating and very good stress tolerance.
- Phytophthora Rps 1c root rot protection.
- Provides tolerance to dicamba and glyphosate herbicides.
**PS 0074 R2**
2475

- Proven Roundup Ready 2 Yield® variety ideally suited for the long season MG00 market area.
- Continues to meet high expectations with strong performance year after year.
- Tolerant IDC rating.
- Excellent branching and aggressive canopy.
- Ideal variety for 30” row widths.

**PS 0077 XRN**
2475

- Roundup Ready 2 Xtend® variety ideally suited for the mid to late MG00 season zones.
- Very good stress tolerance with strong yield potential.
- Value added SCN and Phytophthora Rps 1k root rot protection.
- Provides tolerance to dicamba and glyphosate herbicides.
- Maintains good height on heavier soils.

**PS 0098 XR**
2500

- Roundup Ready 2 Xtend® variety ideally suited for the late MG00 and early MG0 season zones.
- Very good stress tolerance with strong yield potential.
- Value-added Phytophthora Rps 1k root rot protection.
- Provides tolerance to dicamba and glyphosate herbicides.

**PS 0333 XRN**
2650

- High-yielding Roundup Ready 2 Xtend® variety.
- Ideally suited to the early to mid-0 maturity market areas.
- Value-added SCN and Rps1c/1k Phytophthora root rot protection.
- Provides tolerance to dicamba and glyphosate herbicides.
- Strong white mould resistance.
- Excellent height is a big advantage for tighter soils.
**SOYBEANS**

**PS 0416 R2**
- 2675

- Very high-yielding Roundup Ready 2 Yield® trait variety ideally suited for the mid-MG0 market area.
- Proven high-end performance year after year with excellent standability and branching.
- Very aggressive growth with outstanding emergence.
- Excellent height is a big advantage for tighter soils.
- Avoid fields with history of severe white mould pressure.

**PS 0555 XRN**
- 2675

- Roundup Ready 2 Xtend® variety ideally suited to the mid-0 maturity market areas.
- Value-added SCN and Rps1c Phytophthora root rot protection.
- Provides tolerance to dicamba and glyphosate herbicides.
- Visually attractive with top clustering and overall branching.

**PS 0610 NLL**
- 2750

- LibertyLink® variety with impressive yield expression for mid-MG0 maturity.
- Strong, early vigour with bushy, fill-the-row plant type.
- Value added SCN and Rps1k Phytophthora root rot protection.
- Offers a non-selective alternative to glyphosate tolerant systems.

**PS 1162 R2**
- 2850

- Proven benchmark and grower choice Roundup Ready 2 Yield® trait ideally suited for early MGI regions.
- Grows anywhere and has a history of strong performance across a range of yield levels.
- Outstanding and consistently high yields. Exceptional standability, lodging and white mould resistance.
SOYBEAN SCOUTING CALENDAR

APR | MAY | JUNE | JULY | AUG | SEP | OCT
---|-----|------|------|-----|-----|-----
seed rots | seedling blights | brown spot | Phytophthora, Rhizoctonia root rots | sudden death syndrome | soybean rust | Cercospora blight
purple seed stain

Diseases          Nematodes           Insects and Mites

SOYBEAN SCOUTING CALENDAR

ASSESSING SOYBEAN STANDS

From OMAFRA Publication 811

Table 4-11. Expected Yield of Soybeans in Optimum and Reduced Stands

<table>
<thead>
<tr>
<th>% of Full Stand</th>
<th>Expected Final Yield as % of Optimum</th>
<th>Plants Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>7-in. row</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>163,000</td>
</tr>
<tr>
<td>80</td>
<td></td>
<td>131,000</td>
</tr>
<tr>
<td>60</td>
<td></td>
<td>96,000</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>66,000</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>33,000</td>
</tr>
</tbody>
</table>

From Huron and Kempville, Ontario, research stations, University of Guelph. Table 4–11 provides an estimate of the yield potential compared to a full stand, based on research conducted in Ontario. It is important to note that Table 4–11 is based on the number of healthy plants remaining in a thin stand, spaced uniformly and kept free of weed competition.

The PRIDE AgriShield seed treatment system provides:

- Unsurpassed activity that allows seeds and seedlings to combat early-season insects and diseases, improving emergence and vigour.
- An effective way to protect growers’ high-value seed investment through enhanced protection of genetic yield potential.
- Mitigated risk from environmental conditions, providing confidence and peace of mind for an excellent start to the season.
### Durations and Intervals of Soybean Reproductive Growth Stages

<table>
<thead>
<tr>
<th>Soybean Growth Stage(^1,2)</th>
<th>Definition</th>
<th>Average Number of Days Between R Growth Stages</th>
<th>Range of Days Between Each Growth Stage(^3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1</td>
<td>Beginning bloom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R2</td>
<td>Full bloom</td>
<td>4 days – R1-R2</td>
<td>0-7</td>
</tr>
<tr>
<td>R3</td>
<td>Beginning pod</td>
<td>10 days – R2-R3</td>
<td>5-15</td>
</tr>
<tr>
<td>R4</td>
<td>Full pod</td>
<td>9 days – R3-R4</td>
<td>5-15</td>
</tr>
<tr>
<td>R5</td>
<td>Beginning seed</td>
<td>9 days – R4-R5</td>
<td>4-26</td>
</tr>
<tr>
<td>R6</td>
<td>Full seed</td>
<td>15 days – R5-R6</td>
<td>11-20</td>
</tr>
<tr>
<td>R7</td>
<td>Beginning maturity</td>
<td>18 days – R6-R7</td>
<td>9-30</td>
</tr>
<tr>
<td>R8</td>
<td>Full maturity</td>
<td>9 days – R7-R8</td>
<td>7-18</td>
</tr>
</tbody>
</table>


\(^3\) Range based on planting date and environmental variability within a given year.

### Determining Plant and Pest Populations Using a Hula Hoop

<table>
<thead>
<tr>
<th>Inside Diameter of Hoop (inches)</th>
<th>Square Area in Feet(^4)</th>
<th>Factor by Which to Multiply the Number of Plants Within the Hoop to Equal: Plants per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>7.0</td>
<td>6,165</td>
</tr>
<tr>
<td>33</td>
<td>6.0</td>
<td>7,334</td>
</tr>
<tr>
<td>30</td>
<td>4.9</td>
<td>8,874</td>
</tr>
<tr>
<td>27</td>
<td>4.0</td>
<td>10,956</td>
</tr>
<tr>
<td>24</td>
<td>3.2</td>
<td>13,865</td>
</tr>
</tbody>
</table>

\(^4\) Range based on planting date and environmental variability within a given year.
At PRIDE Seeds we recognize the importance of protecting your seed investment and the complexity seed treatment decisions present.

Because of this, we are excited to introduce the new PRIDE AgriShield Soybean Treatment System. This simplified system allows growers to choose the right treatment options for their fields. These options include both an industry-leading insecticide and fungicide option as well as a fungicide-only option. In addition to these options, we will offer the inoculant line-up we believe gives growers the best return on investment for their farming operations.

The PRIDE AgriShield Seed Treatment System Provides:

- Unsurpassed activity that allows seeds and seedlings to combat early-season insects and diseases, improving emergence and vigour.
- An effective way to protect growers’ high-value seed investment through enhanced protection of genetic yield potential.
- Mitigates risk from environmental conditions, providing confidence and peace of mind for an excellent start to the season.

Untreated Seed

This option is fully available but is not warranted for stand loss caused by insects, seed or soil-borne diseases.

### Availability of Elements to Plants at Different pH Levels for Mineral Soil

<table>
<thead>
<tr>
<th>Range of Acidity</th>
<th>Range of Alkalinity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strong Nitrogen</td>
<td>Strong Calcium</td>
</tr>
<tr>
<td>Medium Phosphorus</td>
<td>Medium Magnesium</td>
</tr>
<tr>
<td>Slight Potassium</td>
<td>Slight Manganese</td>
</tr>
<tr>
<td>Very Slight Sulfur</td>
<td>Very Slight Iron</td>
</tr>
<tr>
<td>Very Slight Calcium</td>
<td>Very Slight Iron</td>
</tr>
<tr>
<td>Slight Magnesium</td>
<td>Slight Boron</td>
</tr>
<tr>
<td>Medium Manganese</td>
<td>Medium Copper and Zinc</td>
</tr>
<tr>
<td>Strong Iron</td>
<td>Strong Copper and Zinc</td>
</tr>
</tbody>
</table>

Source: Adapted from D. Ankerman & R. Large. Soil and Plant Analysis. A & L Agricultural Laboratories, Inc.
**METRIC EQUIVALENTS**

**Length**
- inch = 2.54 cm
- foot = 0.30 m
- yard = 0.91 m
- mile = 1.61 km
- millimeter = 0.04 in
- centimeter = 0.39 in
- metre = 3.28 ft
- kilometer = 0.62 mile

**Volume (dry)**
- cu. inch = 16.38 cm³
- cu. foot = 0.03 m³
- cu. yard = 0.84 m³
- bushel = 36.37 L
- cm³ = 0.06 cu. in
- m³ = 31.39 cu. ft
- m³ = 1.31 cu. yd

**Volume (liquid)**
- fl oz (Imp.) = 28.41 mL
- pint = 0.57 L
- gal. (Imp.) = 4.55 L
- litre = 35.2 oz (Imp.)
- hectoliter = 26.42 gal (U.S.)
- hectoliter = 22.00 gal. (Imp.)

**Proportion**
- 1 gal./acre = 11.23 L/ha
- 1 lb/acre = 1.12 kg/ha
- 1 lb/sq. in = 6.90 kilopascals
- 1 ton/acre = 2.24 metric tonne/ha
- 1 L./ha = 14.25 fl oz/acre
- 1 kg/ha = 14.5 oz/acre
- 1 metric tonne/ha = 0.45 ton/acre
- 1 kilopascal = 0.145 lb/sq. in

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