





**NEIL DOUGLAS**Executive Vice President,

DLF North America

We have an opportunity today to do something great - together.

Let me take this moment to welcome you to DLF North America. While we take time to listen and learn about your business and invest in tools to help you grow, we also invite you to help us think BIG. Even Earth-sized.

We are pulling together DLF teams and resources from across the globe to tackle big problems – like changing climate patterns, carbon emissions, disease pressures and more – with improved products you have at your fingertips. You are Seeding the Green Future by partnering with us to deliver sustainable solutions with the potential to:

- Increase productivity of land and livestock
- Sequester carbon and reduce emissions in the supply chain
- Fixate nitrogen
- · Reduce leaching of nitrogen and pesticides

You have a tremendous opportunity to help us bring some of the world's best products to the farm gate, while helping our earth and growing your business along the way. DLF will provide the tools and support you need to succeed. We hope that you will join us.



# OUR CUSTOMERS CAN COUNT ON GROWTH

At DLF we research, develop and produce products to specifically meet the needs of the Canadian market and conditions.

DLF is the global leader in research, development, production and distribution of forage and other seed. **This makes us part** of a worldwide organization with a passion for innovation and a commitment to helping us deliver the best forage products.



World market leader within temperate forage and turf seeds. Supplying to more than 100 countries



**Leading research and development program** in sustainable and green crops

of the future



**7th largest** seed company in the world

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WE CHOOSE DLF
CORN TO ACHIEVE
THE HIGHEST
YIELDS AND
STRONGEST FEED
QUALITY FOR OUR
DAIRY HERD.

Vinny and Family
Van Dorp Dairy
Petersfield Manitoba

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#### **TRIAL DESIGN**

- DLF is home to the only proprietary, replicated forage trials across Canada
- Each plot in a trial is 3 feet wide by 17 feet long
- Each trial has 4 randomized replications of all varieties
- Each trial runs for three production years

#### **TESTING**

- DLF head-to-head comparisons test current products against competitor check and experimental varieties
- This rigorous testing gives an ability to identify varieties with superior yield, persistence, faster regrowth, exceptional forage quality and superior disease resistance

DLF's Canadian Research trials provide the ability to select varieties that have improved disease resistance, superior



Fescue type Festulolium, Meadow & Tall Fescue regrowth - Lindsay ON



Trial showing comparisons of alfalfa re-growth - Lindsay ON

yield, improved winterhardiness, faster regrowth and high forage quality based on true head to head comparisons!

#### **HARVESTING**

• Using DLF's custom RCI Engineering 36A forage harvester, Legume trials are harvested 3-4 times and grass trials are harvested 2-3 times per season



# **GROWING WITH DLF**

Our customers demand a lot from their seed: yield, forage quality, winterhardiness and disease resistance. That is why we invest heavily in global R&D and our research plots. Roughly 11% (1 in 9) of DLF's over 2,000 worldwide employees are involved in breeding programs and product development. For more than 30 years, DLF breeding and product development has optimized forage and grass varieties ideal to local climatic and environmental conditions to seed the green future. We aim to deliver sustainable solutions with the potential toincrease productivity of land and livestock, sequester carbon and reduce emissions in the supply chain.

Lindsay, Ontario Canada



Port Hope, Ontario Canada



Bangor, Wisconsin USA



Philomath, Oregon USA



Berry, Kentucky USA



#### THE WORLD OF DLF





#### 850 EMPLOYEES

work in DLF's Turf and Forage Division worldwide



#### 10% OF DLF'S WORKFORCE

is employed in research & development



1,600 VARIETIES have been released and commercialized through this effort!

"It is very fulfilling to be able to test and analyze varieties from breeders across the globe on Canadian soils to ensure they are not only compatible with our environment, but that they are superior to current varieties on the market.

Collecting information on agronomy ratings, forage quality data and yield data from our trustworthy and reliable head to head replicated trials ensures DLF only ever releases the best varieties to our customers. I feel very fortunate to be part of the DLF R&D team, it is such a rewarding career!"

Sylvia Megens - Manager of Product Development, Canada





#### **CANADIAN SEED GROWERS**

We contract our forage seed needs with highly skilled Canadian seed growers, who work closely with our experienced field representatives to ensure our forage crops are of top quality.



In forage, fibre digestibility is one of the most important quality measures. The main benefit of high fibre digestibility is an increase in milk and meat production.

- 1% increase in fibre digestibility (DNDF) =
- + 0.25 litres milk per cow per day

The importance of high fibre digestibility is supported by independent research that is well acknowledged throughout the world. Fibre digestibility is a key focus of the DLF global research platform.

#### **HIGHER YIELD**

Our top quality forages improve nutritional intake and increase milk or meat production. Choosing better varieties is the best way to maximize your output without increasing your input costs.

#### HIGHER DIGESTIBILITY

Dairy and beef herds perform better when their forage has high cell-wall fibre digestibility and the protein content is high. You get a higher dry matter intake and improved milk and meat production.

#### **HIGHER QUALITY**

Certified seed of our proprietary varieties will improve establishment from every seed you sow and increase your chances of securing high yield of the desired quality.



#### SEED CALCULATOR AVAILABLE AT DLFPICKSEED.CA

DETERMINE ESTIMATED QUANTITIES BASED ON SEEDING RATE WITH OUR SEED CALCULATOR TOOL!

# READY FOR THE NEW GENERATION OF DISEASE RESISTANT ALFALFA?

DLF is proud to lead the Canadian market with varieties of conventional alfalfa with enhanced multi-race Aphanomyces and Anthracnose disease resistance.

#### WHAT IS APHANOMYCES ROOT ROT?

#### **SYMPTOMS:**

- · Stunted growth
- · Yellowing cotyledons
- · Yellowing/purpling of upper leaflets
- Grey-brown coloured roots and stems
- · May resemble nutrient deficiency/herbicide damage

#### MANAGEMENT:

- Plant certified DLF varieties with enhanced multi-race
   Aphanomyces and Anthracnose disease resistance
- Fungicide seed treatments are not a solution for controlling this disease

#### **ECLIPSE ALFALFA**

Industry leading disease package with enhanced multi-race protection against Aphanomyces\*\*



Eclipse Alfalfa, Port Hope ON



# **FORAGE VARIETIES**

#### **ECLIPSE ALFALFA**

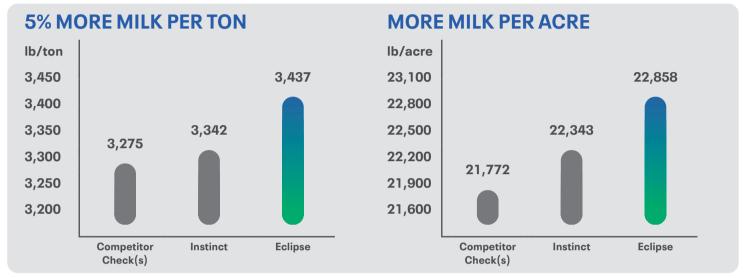
SELECTED FOR:







Fall Dormancy 4.4 | Winter Survival 1.6



Locations: Ontario: Lindsay, Port Hope Competitor Checks: 54Q14, 55Q27, Dominator, Boost HG, Surge HG, AAC Trueman Milk Per Ton & Milk Per Acre values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006

| YIELD COMPARISONS                |                                |                |                          |                      |                   |                              |  |  |  |  |  |  |  |
|----------------------------------|--------------------------------|----------------|--------------------------|----------------------|-------------------|------------------------------|--|--|--|--|--|--|--|
|                                  | Harvest<br>Years               | # Of Cuts      | # of<br>Station<br>Years | Yield<br>(Kg/Ha)     | Yield<br>(T/Acre) | % of<br>Competitor<br>Checks |  |  |  |  |  |  |  |
| <b>ECLIPSE</b> Competitor Checks | <b>2016 - 2021</b> 2016 - 2021 | <b>118</b> 118 | <b>28</b> 28             | <b>12,563</b> 11,531 | <b>5.08</b> 4.67  | <b>109</b> 100               |  |  |  |  |  |  |  |

Locations: Lindsay, ON, Port Hope, ON, Josephburg AB, Portage la Prairie, MB, Nampa, ID, Touchet, WA, Cannon Fall, MN, Boone, IA, Mt Joy, PA Competitor Checks: 54Q14, 55Q27, 55Q29, Boost HG, Dominator, Showdown, Pillar ST, Surge HG



\*Includes race 1 and race 2 protection. In addition, Forage Genetics International, LLC (FGI) has identified a novel source of Aphanomyces resistance in the greenhouse and field that visibly outperforms unrelated varieties on the market when grown under natural or artificial disease pressure. FGI researchers have been working cooperatively with universities collecting and testing the most virulent strains of Aphanomyces to help determine the level of resistance to this novel source.

#### **INSTINCT ALFALFA**

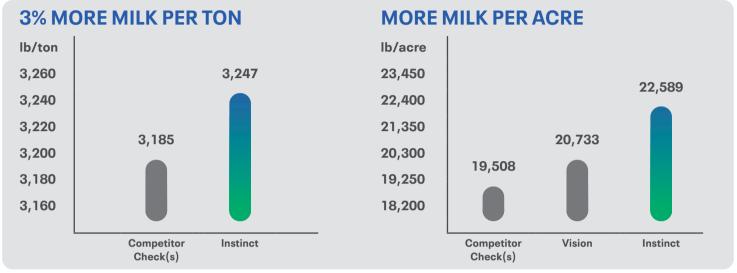
SELECTED FOR:







Fall Dormancy 4.4 | Winter Survival 1.5



Locations: Ontario: Lindsay, Port Hope Competitor Checks: 55V50, 55V48, Dominator, Boost HG, Surge HG, AAC Trueman, Showdown Milk Per Ton & Milk Per Acre values calculated using the University of Wisconsin Alfalfa/Grass Evaluation System - Milk 2006

| YIELD COMPARISONS          |                                |                |                          |                      |                   |                              |  |  |  |  |  |  |  |
|----------------------------|--------------------------------|----------------|--------------------------|----------------------|-------------------|------------------------------|--|--|--|--|--|--|--|
|                            | Harvest<br>Years               | # Of Cuts      | # of<br>Station<br>Years | Yield<br>(Kg/Ha)     | Yield<br>(T/Acre) | % of<br>Competitor<br>Checks |  |  |  |  |  |  |  |
| INSTINCT Competitor Checks | <b>2010 - 2021</b> 2010 - 2021 | <b>176</b> 176 | <b>75</b> 75             | <b>10,783</b> 10,337 | <b>4.36</b> 4.18  | <b>104</b><br>100            |  |  |  |  |  |  |  |

Locations: Lindsay, ON, Port Hope, ON, Josephburg AB, Portage la Prairie, MB
Competitor Checks: 54Q14, 55Q27, 55Q29, 55V50, 55V48, Boost HG, Dominator, Showdown, Pillar ST, Surge HG



#### **ADDITIONAL ALFALFA & LEGUME VARIETIES**

#### **AC GRAZELAND BR**

#### Alfalfa

- Bloat reduced variety
- Very good forage quality
- · Good disease resistance
- Good regrowth
- · Good forage yield

#### **ASSALT ST**

#### Alfalfa

- · Tolerant to high pH soils
- Adaptable to many soil conditions
- Very good disease resistance
- · Good forage yield
- Good forage quality

#### PICKSEED 3006

#### Alfalfa

- Creeping rooted
- Multifoliate leaf expression
- · Very good disease resistance
- · Good forage yield
- Good forage quality

#### **VISION**

#### Alfalfa

- · Excellent forage yield
- · Excellent disease resistance
- Improved forage quality
- Very high multifoliate leaf expression
- · Very fast regrowth

#### **WESTSTAR BLEND**

#### Alfalfa

- High quality blend of alfalfa varieties
- · Good forage quality
- Multifoliate leaf expression
- Adaptable to many soil conditions
- Good forage yield

#### **BULL**

#### **Birdsfoot Trefoil**

- Good stress & grazing tolerance
- · Good forage yield
- · Non-bloating legume
- Excellent winterhardiness
- Excellent forage quality

#### **SILVESTER**

#### **Ladino White Clover**

- Vigourous, large leaved variety
- · Excellent forage yield
- Improved disease resistance
- · Excellent winterhardiness
- Erect growth

#### **ALTASWEDE**

#### Single Cut Red Clover

- Single-cut variety
- Very good forage quality
- Excellent companion for alfalfa
- · Rapid establishment
- · Excellent forage quality

#### **RED CARPET XL**

#### **Red Clover**

- Multi-cut variety
- · Very good forage yield
- Very good winterhardiness
- Fast establishment
- · Very good regrowth

#### **NEW**

#### FUSION XL (RYEGRASS TYPE)

#### **Festulolium**

- Meadow Fescue x Italian Ryegrass
- Excellent forage yield in seeding year
- Excellent forage quality
- · Excellent disease resistance
- Excellent seasonal growth pattern

#### MAHULENA (FESCUE TYPE)

#### **Festulolium**

- Tall Fescue x Perennial Ryegrass
- Endophyte free
- Very good stress tolerance & winterhardiness
- Late maturity & excellent forage yield

#### **BALIN**

#### **Kentucky Bluegrass**

- · Good disease resistance
- Fast establishment
- · Early-medium maturity
- · Very good persistence
- · Early spring growth

### GRASS VARIETIES (Additional grass species may be available upon request)

#### **BIG TON XL**

#### NEW

#### **Bromegrass**

- · Very Good forage yield
- Excellent winterhardiness
- Very good forage quality
- · Early spring growth
- Good seasonal growth pattern

#### SUCCESSION BRAND

#### **Bromegrass, Hybrid**

- Interspecies cross of Smooth & Meadow Bromegrass
- · Excellent winterhardiness
- Very good forage quality
- Early spring growth
- Good seasonal growth pattern

#### **MBA**

#### Bromegrass, Meadow

- · Excellent forage yield
- · Excellent winterhardiness
- Early spring growth
- Good forage quality
- · Good seasonal growth pattern

#### LAURA

#### Fescue, Meadow

- · Very good spring vigour
- · Excellent forage quality
- · Excellent grazing tolerance
- · Very good winter hardiness
- Endophyte free

#### **SENU**

#### Fescue, Meadow

- · Very good spring vigour
- Excellent forage quality
- Excellent grazing tolerance
- Very good winterhardiness
- Endophyte free

#### **KORA\***

#### Fescue, Tall

- · Medium-Late maturity
- · Very high yielding
- High forage quality
- · Endophyte free
- · Excellent disease resistance

#### NEW STARGRAZER XI

#### Fescue, Tall

- · Very high yield
- High forage quality
- · Endophyte free
- · Excellent disease resistance
- Suitable for both pasture or hay production

#### **TOWER**

#### Fescue, Tall

- Late maturity
- Soft leaf = very good forage quality
- · Endophyte free
- · Excellent disease resistance
- Very good stress tolerance

#### **ACHILLES** (RYEGRASS TYPE)

#### **Festulolium**

- Meadow Fescue x Italian Ryegrass
- · Excellent forage yield in seeding year
- Excellent forage quality
- · Excellent disease resistance
- Excellent seasonal growth pattern

#### **ECHELON**

#### **Orchardgrass**

- · Very good forage yield
- · Excellent winterhardiness
- · Very good disease resistance
- · Very good seasonal growth pattern

#### **ENDURANCE**

#### **Orchardgrass**

- · Medium-late maturity
- · Very good forage yield
- Excellent winterhardness
- · Very good disease resistance
- · Very good seasonal growth pattern

#### **HAYMATE XL**

#### **NEW**

#### **Orchardgrass**

- · Very good forage yield
- Excellent winterhardiness
- Very good disease resistance
- · Excellent for hay or pasture
- Very good seasonal growth pattern

#### **ADDITIONAL GRASS VARIETIES**

#### **BELLEVUE**

#### **Reed Canarygrass**

- Excellent stress tolerance
- Low alkaloid content improved forage quality
- · Very good forage yield
- · Excellent winterhardiness
- Very good seasonal growth pattern

#### **DEFIANT XL**

NEW

NEW

#### **Reed Canarygrass**

- Excellent stress tolerance
- · Very good forage yield
- Excellent winterhardiness
- Suitable for hay, silage or pasture
- Widely adapted

#### FIRKIN

#### Ryegrass, Italian

- · Excellent forage quality, tetraploid
- Excellent forage yield in seeding year
- · Will not set seed in seeding year
- Excellent disease resistance
- Excellent seasonal growth pattern

#### **JEANNE**

#### Ryegrass, Italian

- · Excellent forage quality, tetraploid
- Excellent forage yield in seeding year
- · Will not set seed in seeding year
- · Excellent disease resistance
- · Excellent seasonal growth pattern

#### **TETRABANA XL**

#### Ryegrass, (Italian)

- · Excellent forage quality, tetraploid
- · Excellent forage yield in seeding year
- · Will not set seed in seeding year
- Excellent disease resistance
- Excellent seasonal growth pattern

#### **ENDO-GRAZE XI**

#### Ryegrass, Tetraploid Perennial

**NEW** 

- Fast establishment
- Excellent forage quality
- Improved winterhardiness
- · Very dense growth habit
- Early spring growth

#### **MATHILDE**

#### Ryegrass, Tetraploid Perennial

- Excellent forage quality, tetraploid
- Improved winterhardiness
- · Improved forage yield
- · Very dense growth habit
- Early spring growth

#### **POLIM**

#### Ryegrass, Perennial

- Excellent forage quality, tetraploid
- Improved winterhardiness
- · Very dense growth habit
- · Early spring growth
- Late maturity

#### **RICHMOND**

#### **Timothy**

- Very good forage quality
- Early maturity
- · Very good forage yield
- · Very good spring vigour
- Very good winterhardiness

#### **TOP TIM XL**

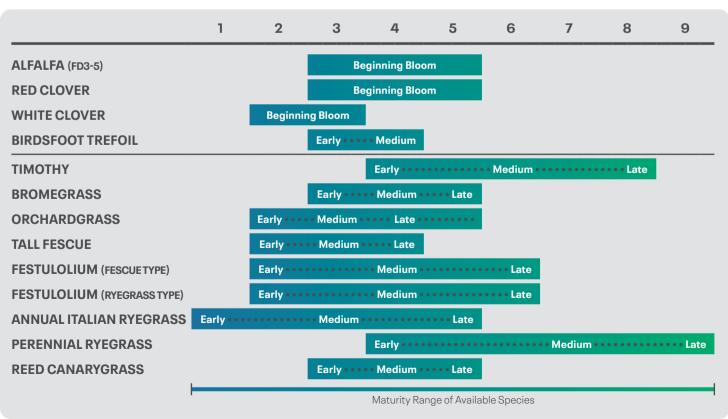
#### **Timothy**

- · Very good yield
- Very good forage quality
- · Very good spring vigour
- Excellent winterhardiness
- · Excellent flooding tolerance

#### **PROPERTIES OF GRASSES**

|                             | Yield         | Feeding<br>Value | Spring<br>Growth | Seasonal<br>Growth | Winter-<br>Hardiness |
|-----------------------------|---------------|------------------|------------------|--------------------|----------------------|
| TIMOTHY                     | 8             | 8                | 7                | 2                  | 9                    |
| MEADOW BROMEGRASS           | 9             | 5                | 5                | 5                  | 9                    |
| HYBRID BROMEGRASS           | 8             | 7                | 5                | 5                  | 9                    |
| SMOOTH BROMEGRASS           | 5             | 7                | 2                | 2                  | 9                    |
| ORCHARDGRASS                | 9             | 7                | 7                | 7                  | 9                    |
| TALL FESCUE                 | 7             | 5                | 7                | 7                  | 7                    |
| MEADOW FESCUE               | 2             | 9                | 7                | 2                  | 7                    |
| FESTULOLIUM (FESCUETYPE)    | 9             | 7                | 7                | 7                  | 7                    |
| FESTULOLIUM (RYEGRASS TYPE) | 9             | 7                | 9                | 9                  | 2                    |
| ANNUAL ITALIAN RYEGRASS     | 9             | 9                | 9                | 9                  | О                    |
| PERENNIAL RYEGRASS          | 5             | 9                | 5                | 5                  | 2                    |
| REED CANARYGRASS            | 7             | 5                | 7                | 7                  | 9                    |
|                             | 1 • • • • • 9 | 1 • • • • • 9    | 1 • • • • • 9    | 1 • • • • • 9      | 1 • • • • • 9        |

#### **FORAGE MATURITY MATRIX**



#### **VALUE ADDED**

# **FORAGE MIXES**

Grass Mixes Grass & Legume Mixes



#### **CATTLEMANS**

#### Seed at 6.5 kg (14 lbs) /acre

· Season long growth

• Built for Beef!

- · Ideal grassland pasture
- Quick regrowth
- Good drought tolerance
- 40% MBA Meadow Bromegrass 15% Kirk Crested Wheatgrass 15% AC Grazeland BR Alfalfa 15% Stargrazer XL Tall Fescue 8% Dahurian Wildrye 7% Slender Wheatgrass

#### **HAYGRAZE**

#### · Rapid regrowth & great quality

#### Seed at 6 kg (13 lbs) /per acre · Use as multi-cut hay & still have extra to graze in the fall



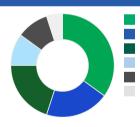


30% Succession Hybrid Bromegrass 10% AMBA Orchardgrass

#### **STOCKMANS**

#### Seed at 6.5 kg (14 lbs)/acre

- Widely adaptable
- · A well balanced mix
- · Non-bloating Cicer Milkvetch utilized to increase quality



- 35% MBA Meadow Bromegrass
- 20% AMBA Orchardgrass 20% Cicer Milkvetch
- 15% Stargrazer XL Tall Fescue
- 10% Mathilde Perennial Ryegrass
- 5% Top Tim XL Timothy

#### **HAYGRAZE DRY**

#### Seed at 5 kg (13 lbs) /acre

- Superior yield & quality in dry conditions
- · Safe against bloat

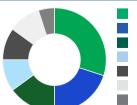


- 50% AC Grazeland BR Alfalfa
  - 40% MBA Meadow Bromegrass 10% Kirk Crested Wheatgrass

#### **PASTUREPRO**

#### Seed at 5.5 kg (13 lbs) /acre

- Widely adaptable
- Highest yielding pasture blend
- Season long performance
- Designed for maximum growth



- 30% MBA Meadow Bromegrass
- 20% AC Grazeland BR Alfalfa
- 15% AMBA Orchardgrass
- 10% Stargrazer XL Tall Fescue
- 10% Mathilde Perennial Ryegrass
- 10% Mahulena Festulolium
- 5% Top Tim XL Timothy

#### **HORSEMANS**

#### Seed at 7 kg (15 lbs) /acre

- Well balanced
- **Excellent Spring, Summer** & Fall growth
- Suitable for all acreage ruminants
- Stands up well to heavy grazing

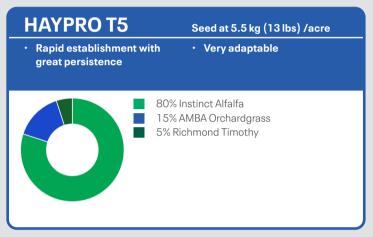


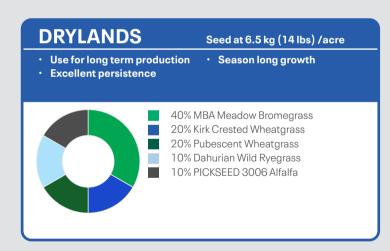
- 35% MBA Meadow Bromegrass 20% Forage type Kentucky Bluegrass 20% AMBA Orchardgrass
  - 15% Top Tim XL Timothy 10% Mathilde Perennial Ryegrass

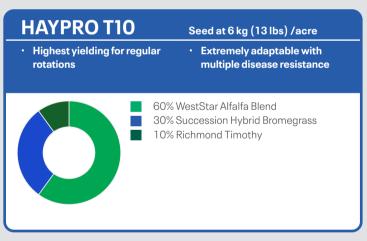
# PANGEPRO Seed at 6.5 kg (14 lbs) /acre Adapted to the drier areas of the Prairies 50% MBA Meadow Bromegrass 10% Fairway Crested Wheatgrass 10% AMBA Orchardgrass 10% Stargrazer XL Tall Fescue 10% Mahulena Festulolium 5% Top Tim XL Timothy 5% Darhurian Wildrye

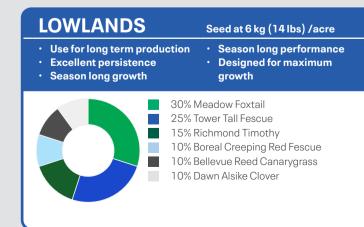


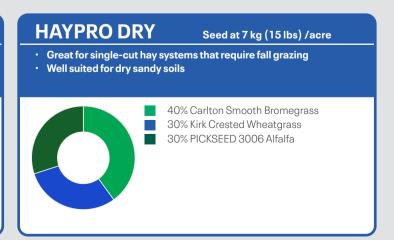




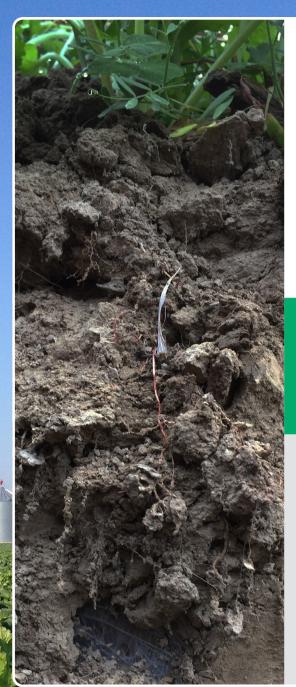








# **COVER CROPS**



#### THE VALUE OF 1% ORGANIC MATTER

Every 1% increase of Organic Matter raises the soil's water-holding capacity by as much as 27,000 gallons per acre.\*

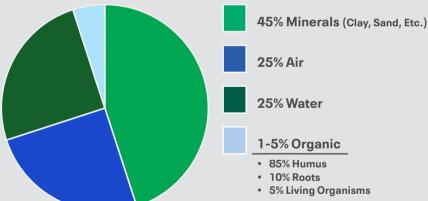
#### 1% OF ORGANIC MATERIAL CONTAINS:

- 10,000 lbs. of Calcium,
- 1,000 lbs. of Nitrogen,
- 100 lbs. of Phosphorus,
- 100 lbs. of Potassium,
- 100 lbs. of Sulfur,
- 0.3-1 inch of Water.\*

\*Ohio State University, 2014.

# TAKING CARE OF YOUR BIGGEST RESOURCE ... SOIL

Research to date proves cover crops are making strides in improving our soils in the short term and encouraging soil structure and soil health for decades to come.

















**DETERMINE** 

**YOUR GOAL** 

P&K CYCLING

**POLLINATOR BENEFIT** 

ALLEVIATION

WEED BIOMASS SUPPRESSION PRODUCTION

EROSION CONTROL

NITROGEN FIXER

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| - I CONTOONE /       | LOTABLIO |             | 0 0      |               | 7.A.1011 0011112001 | TRODUCTION | OOMINOL | TIXEK     |         |          |
|----------------------|----------|-------------|----------|---------------|---------------------|------------|---------|-----------|---------|----------|
| LEGUMES              | I = Poor | 2 = Average | 3 = Good | 4 = Very Good | 5 = Excellent       |            |         |           |         |          |
| Crimson Clover       | 4        | 3           | 3        | 2             | 4                   | 3          | 3       | FIXER     | SG,LS   | 10 - 15  |
| Red Clover           | 3        | 4           | 4        | 4             | 4                   | 4          | 3       | FIXER     | SG, LS, | F 8 - 12 |
| Berseem Clover       | 4        | 4           | 3        | 2             | 4                   | 3          | 4       | FIXER     | SG,LS   | 8-20     |
| Winter Peas          | 4        | 2           | 4        | 2             | 4                   | 3          | 3       | FIXER     | SG,LS   | 75 - 120 |
| Hairy Vetch          | 3        | 4           | 5        | 3             | 4                   | 4          | 3       | FIXER     | LS, F   | 15-30    |
| Sunn Hemp            | 3        | 3           | 4        | 2             | 4                   | 5          | 3       | FIXER     | SR,LS   | 15       |
| NON LEGUMES          | 1 = Poor | 2 = Average | 3 = Good | 4 = Very Good | 5 = Excellent       | I          | I       |           |         |          |
| Italian Ryegrass     | 5        | 3           | 2        | 5             | 5                   | 3          | 5       | SCAVENGER | SG, LS, | F 15-30  |
| Winter (Cereal) Rye  | 4        | 4           | 1        | 4             | 5                   | 4          | 5       | SCAVENGER | LS,F    | 30 - 50  |
| Winter Triticale     | 4        | 4           | 1        | 2             | 4                   | 4          | 4       | SCAVENGER | LS,F    | 30 - 50  |
| Spring Oats          | 4        | 3           | 1        | 2             | 4                   | 4          | 4       | SCAVENGER | SG,LS   | 30 - 50  |
| Pearl Millet         | 5        | 3           | 3        | 3             | 5                   | 5          | 4       | SCAVENGER | SR,LS   | 20 - 30  |
| Sorghum x Sudangrass | 4        | 3           | 3        | 4             | 5                   | 5          | 4       | SCAVENGER | SM      | 25 - 70  |
| Buckwheat            | 5        | 5           | 5        | 3             | 5                   | 4          | 2       | SCAVENGER | SG, SR  | 40 - 55  |
| BRASSICAS            | 1 = Poor | 2 = Average | 3 = Good | 4 = Very Good | 5 = Excellent       |            |         |           |         |          |
| Soil First® Radish   | 5        | 4           | 2        | 5             | 5                   | 4          | 4       | SCAVENGER | LS      | 3-8      |
| Turnip               | 5        | 3           | 3        | 3             | 5                   | 4          | 3       | SCAVENGER | LS      | 2-6      |
| Rapeseed             | 5        | 4           | 4        | 5             | 3                   | 4          | 4       | SCAVENGER | SG,LS   | 4-6      |
| Braco Mustard        | 5        | 3           | 5        | 4             | 3                   | 4          | 3       | SCAVENGER | SG,LS   | 6-15     |
| Hybrid Brassica      | 5        | 3           | 3        | 3             | 4                   | 4          | 4       | SCAVENGER | SG,LS   | 4-8      |
|                      |          |             |          |               |                     |            |         |           |         |          |





# SPECIES ADAPTATION & COMPARISONS

| Species                      | Use              | Longevity Short • Long •••• | Winter-Hardiness Poor • Excellent •••• | Drought Tolerance Low • High •••• | Flood Tolerance Low High | Salinity Tolerance Low High | Alkalinity Tolerance Low High | Acidity Tolerance | # Seeds<br>Per Kg | # Seeds<br>Per Lb | Growing<br>Period             |
|------------------------------|------------------|-----------------------------|--|-----------------------------------|--------------------------|-----------------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------------------|
| LEGUMES                      |                  |                             |  |                                   |                          |                             |                               |                   |                   |                   |                               |
| Alfalfa                      | Hay &<br>Pasture | ••••                        | •••                                    | ••••                              | •                        | ••                          | ••••                          | •                 | 440,000           | 200,000           | Spring -<br>Fall              |
| Alsike<br>Clover             | Hay &<br>Pasture | •                           | ••                                     | •                                 | •••                      | •••                         | ••                            | •••               | 1,540,000         | 700,000           | Spring                        |
| Birdsfoot<br>Trefoil         | Pasture          | ••••                        | •••                                    | •••                               | ••••                     | ••                          | •••                           | ••••              | 825,000           | 375,000           | Spring -<br>Fall              |
| Cicer<br>Milkvetch           | Pasture          | ••••                        | •••                                    | ••••                              | •                        | •••                         | •••                           | •••               | 286,000           | 130,000           | Late<br>Spring - Fall         |
| Red<br>Clover                | Hay &<br>Pasture | •                           | •                                      | •                                 | ••••                     | •                           | •••                           | •••               | 605,000           | 275,000           | Spring                        |
| Sainfoin                     | Pasture          | ••••                        | ••                                     | ••••                              | •                        | •                           | ••••                          | •                 | 66,000            | 30,000            | Spring -<br>Summer            |
| Sweet<br>Clover              | Hay &<br>Pasture | •<br>(2 Years)              | ••                                     | •••                               | •                        | •••                         | •••                           | •                 | 572,000           | 260,000           | Spring of<br>2nd Yr           |
| TAME GRAS                    | SES              |                             |  |                                   |                          |                             |                               |                   |                   |                   |                               |
| Annual (Italian)<br>Ryegrass | Hay &<br>Pasture | •<br>(Ann.1 Yr)             | •                                      | •                                 | ••••                     | •                           | •••                           | •••               | 507,000           | 230,000           | Spring -<br>Fall              |
| Creeping<br>Foxtail          | Pasture          | ••••                        | •••                                    | •                                 | ••••                     | •••                         | •••                           | •••               | 1,657,000         | 753,000           | Early<br>Spring - Fall        |
| Creeping Red<br>Fescue       | Pasture<br>Lawn  | ••••                        | ••••                                   | • • •                             | •••                      | •                           | •••                           | •••               | 1,353,000         | 615,000           | Spring -<br>Fall              |
| Crested<br>Wheatgrass        | Hay &<br>Pasture | ••••                        | ••••                                   | ••••                              | •                        | ••                          | ••••                          | •                 | 485,000           | 220,000           | Early Spring                  |
| Dahurian<br>Wildrye          | Pasture          | •                           | •••                                    | •••                               | •                        | ••••                        | •••                           | •                 | 175,000           | 80,000            | Spring -<br>Fall              |
| Intermediate<br>Ryegrass     | Hay &<br>Pasture | • •                         | •••                                    | •••                               | (Low - High)             | • •                         | •••                           | •                 | 194,000           | 88,000            | Late Spring -<br>Mid Summer   |
| Kentucky<br>Bluegrass        | Pasture<br>Lawn  | ••••                        | ••••                                   | •••                               | •••                      | •                           | •                             | •                 | 4,800,000         | 2,182,000         | Spring -<br>Fall              |
| Meadow<br>Bromegrass         | Hay &<br>Pasture | • •                         | •••                                    | ••••                              | •                        | •                           | •••                           | •••               | 176,000           | 80,000            | Early Spring -<br>Late Summer |
| Meadow<br>Fescue             | Pasture          | ••••                        | •••                                    | •••                               | ••••                     | • •                         | •                             | •••               | 506,000           | 230,000           | Early Spring -<br>Late Fall   |
| Meadow<br>Foxtail            | Pasture          | •                           | •••                                    | •                                 | ••••                     | •                           | •••                           | ••••              | 1,270,000         | 577,000           | Early Spring -<br>Late Fall   |
| Orchardgrass                 | Hay &<br>Pasture | • • •                       | • •                                    | •••                               | • •                      | •                           | •                             | •••               | 1,439,000         | 654,000           | Early Spring -<br>Fall        |
| Pubescent<br>Wheatgrass      | Hay &<br>Pasture | ••••                        | •••                                    | ••••                              | •                        | • •                         | •••                           | •                 | 220,000           | 100,000           | Spring -<br>Fall              |
| Reed<br>Canarygrass          | Hay &<br>Pasture | ••••                        | •••                                    | •••                               | (Very High)              | •                           | •••                           | •••               | 1,175,000         | 534,000           | Spring -<br>Summer            |
| Russian<br>Wildrye           | Pasture          | ••••                        | ••••                                   | (Very High)                       | •                        | (Very High)                 | ••••                          | ••••              | 385,000           | 175,000           | Spring -<br>Mid Summer        |
| Slender<br>Wheatgrass        | Hay &<br>Pasture | •                           | •••                                    | •••                               | •                        | ••••                        | ••••                          | •                 | 352,000           | 160,000           | Mid Spring -<br>Mid Summer    |
| Smooth<br>Bromegrass         | Hay &<br>Pasture | ••••                        | ••••                                   | • • •                             | • • •                    | • •                         | •••                           | •••               | 300,000           | 136,000           | Mid Spring -<br>Mid Summer    |
| Tall Fescue                  | Pasture          | ••••                        | •••                                    | ••••                              | ••••                     | ••••                        | ••••                          | (Very High)       | 500,000           | 227,000           | Late Spring -<br>Fall         |
| Tall<br>Wheatgrass           | Hay &<br>Pasture | ••••                        | ••••                                   | •                                 | ••••                     | (Very High)                 | ••                            | ••                | 174,000           | 79,000            | Late Spring -<br>Mid Summer   |
| Timothy                      | Hay &<br>Pasture | • • •                       | •••                                    | •                                 | ••••                     | •                           | •                             | ••••              | 2,710,000         | 1,232,000         | Spring -<br>Summer            |

| Preferred Climate & Growing Conditions   | Positive Features   | Negative Features   | Plant Type                                   |
|--|---|---|--|
|  |   |   |  |
| Widely adapted to most prairie soils but will not Bloat hazard.<br>Needs good drainage. Tolerates periodic flooding. | Easy to establish. High yields, rapid regrowth. Highest nutrition in forages.                                     | Bloat hazard. Needs good drainage.  | Rhizomatous, Branch,<br>Tap, Creeping Rooted |
| Prefers low-lying moist areas.   | Easy establishment. Tolerant to poor drainage and acid soils.   | Bloat hazard. Short life span and low yield.  | Branched                                     |
| Prefers moist areas.   | Non bloating. Reseeds itself. Feed value similar to alfalfa.  | Poor seedling vigour. Poor competitor and lower yielding.                               | Tap Rooted with<br>Branches                  |
| Widely adapted but exhibits its creeping habit best on more coarse textured soils.                                   | Non bloating. Hardier than alfalfa. Very aggressive once established  | Slow to establish. Hard seeds. Slow regrowth after grazing.                             | Creeping Rooted                              |
| Best suited to humid areas with moderate temperatures.   | Easy establishment. Tolerates wetter and more acid soils than alfalfa.  | Bloat hazard. Short life span.  | Tap Rooted with<br>Side Branches             |
| Best on brown and dark brown soil areas. In very dry areas it yields poorly. Does well on thin gravelly soils.       | Non bloating. More drought and cold tolerant than alfalfa.  | Poor regrowth. Slow to establish.   | Tap Rooted                                   |
| Especially productive on fertile soils.  | Widely adapted. Good for soil and drainage improvement.   | Low palatability unless harvested early. Self seeds.                                    | Tap Rooted                                   |
|  |   |   |  |
| Produces best on soils of medium to high fertility and grows best with adequate moisture.                            | Easy to establish. Very palatable. Good hay or silage or companion crop.  | Does not withstand drought or hot weather.  | Bunch Grass                                  |
| Adapted to areas where Reed Canarygrass grows well and soil moisture is continually available.                       | Suitable for erosion control. Spreads rapidly once it is established.   | Light, fluffy seed. Slow establishment. Poor competition during first six weeks.        | Sod Forming                                  |
| Does best in high rainfall areas. Will grow in wide range of soil types.   | Tolerates close grazing and areas too dry for timothy. Grows well late summer-freeze up and retains good quality. | High moisture requirement. Vulnerable to Crown Rot, Root Rots and Snow Mold.            | Sod Forming                                  |
| Adapted to dry areas with good soils but will also establish on lighter soils  | Excellent for spring pasture. Easy to grow. Withstands close grazing and trampling.                               | Does not tolerate cool, wet soils. Poor quality after heading out. $ \\$                | Bunch Grass                                  |
| Adapted to all soil zones.   | Highly competitive and quick to establish.  | Short lived.  | Bunch Grass                                  |
| Well drained soils with ample moisture.  | Easy to establish. Good haygrass with alfalfa. Out yields CWG and smooth bromegrass.                              | Less winterhardy and drought tolerant than crested wheatgrass.                          | Sod Forming                                  |
| Prefers cool and humid. Grows on most soils.   | Tolerates close and frequent defoliation.<br>Useful in erosion control.   | Dormant in hot, dry weather. Slow establish. High moisture needed. Lower yielding.      | Sod Forming                                  |
| Grows well on most soils where smooth bromegrass does well.  | Very palatable. Good after grazing or cutting. Less aggressive than smooth bromegrass.                            | Mainly a pasture grass. Difficult to put up as hay when in pure stand.                  | Bunch Grass                                  |
| Prefers soil with good moisture and good drainage.   | Best for pasture. Good fall pasture - stays green late in fall.   | Susceptible to heavy grazing.<br>Slow regrowth. Susceptible to leaf rust.               | Bunch Grass                                  |
| Prefers cool moist conditions. High water table.   | Earliest grass to grow in spring. Very palatable when young. Reseeds itself.                                      | Light, fluffy seed. Susceptible to drought.<br>Seeds need to be coated for seeding.     | Bunch Grass                                  |
| Prefers moist conditions. Sandy soils are too dry for good growth unless in high rainfall areas.                     | Easy to establish. Very palatable.<br>Fast regrowth. Makes good hay with alfalfa.                                 | Needs high nitrogen. Moderately winterhardy. Subject to overgrazing.                    | Bunch Grass                                  |
| Widely adaptable with respect to precipitation, temperature, elevation and low fertility soil.                       | Able to stay green into summer months.<br>Hardier than intermediate wheatgrass.                                   | Strong creeping roots get sod bound and result in unproductive stand in a few years.    | Sod Forming                                  |
| Moist cool climate. Poorly drained areas subject to temporary flooding.  | Grows well in wet areas. Withstands flooding for up to two months. Grows tall, good yield.                        | Slow to establish. Nutrition and palatability low when mature.                          | Sod Forming                                  |
| Can be grown on a wide range of soils. Most productive on fertile loams.   | Salt tolerant, early growth and good for winter grazing.  | Poor seedling vigour. Slow to establish.  | Bunch Grass                                  |
| Adapted to wide range of soils but prefers sandy loams.  | High salinity tolerance. Cures well on stem.<br>Good seedling vigour. Establishes fast.                           | Less competitive and persistent than other wheatgrasses. Not tolerant to heavy grazing. | Bunch Grass                                  |
| Well adapted to all soil zones.  | Winterhardy. Good yield. Palatable even at mature growth stage.   | Long, light seed is difficult to sow. Becomes sod bound. Slow regrowth.                 | Sod Forming                                  |
| Variety of soils. Does well on wet, poorly drained soils.  | Suitable for late fall grazing or stock piling.<br>Easy to establish. Good regrowth.                              | Slow cure when used for hay. Starts growing later than many other grasses in spring.    | Bunch Grass                                  |
| Adapted to saline and imperfectly drained alkali soils.  | Salt tolerant. High nutrition in early heading stage.   | Slow to establish. Poor vigour and competitive ability. Coarse when mature.             | Bunch Grass                                  |
| Cool moist areas with good drainage.   | Low seed cost. Easily established. Excellent horse hay/alfalfa blend. Suitable export.                            | Susceptible to heat and low moisture conditions. Low palatability at maturity.          | Bunch Grass                                  |

# **CORN HYBRIDS**

#### **CORN TRAITS**

Many grain and silage hybrids contain advanced corn traits that provide a broad spectrum of above and below ground insect and weed control. The chart on this page is designed to help you choose the right corn hybrid to meet your needs.

#### PROPERTIES OF CORN TRAITS

|                            |                        | Ak                         | ove Gro      | und Pes       | ts                      |               | Below Gro                 | und Pests                | Weed (         | Control      | Refuge                        |
|----------------------------|------------------------|----------------------------|--------------|---------------|-------------------------|---------------|---------------------------|--------------------------|----------------|--------------|-------------------------------|
|                            | European Corn<br>Borer | Southwestern<br>Corn Borer | Corn Earworm | Fall Armyworm | Western Bean<br>Cutworm | Black cutworm | Northern Corn<br>Rootworm | Western Corn<br>Rootworm | Roundup Ready® | LibertyLink® | Minimum Refuge<br>Requirement |
|                            |                        |                            |              |               |                         |               |                           |                          |                |              |                               |
| SmartStax <sup>®</sup>     | •••                    | •••                        | ••           | •••           | •                       | •             | ••                        | ••                       | •              | •            | 5% RIB*                       |
| VTDoublePRO®               | ••                     | ••                         | ••           | ••            |                         |               |                           |                          | •              |              | 5% RIB*                       |
| Roundup<br>Ready<br>CORN 2 |                        |                            |              |               |                         |               |                           |                          | •              |              | 0%                            |

<sup>•</sup> Single Mode of Action

\*SmartStax® RIB Complete® and VT Double PRO® RIB Complete® designation contain a blend of 95 traited corn seed and 5 percent refuge (non B.t.) corn seed that farmers can plant across their entire field. Farmers who plant RIB Complete® products will no longer need to plant a separate, structured refuge for insect pests on those given fields.





Bayer Company is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodify Crops. These products have been approved for import into keye export markets with functioning regulatory systems. Any crop or material produced from these products can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. RIB Complete®, Roundup Ready 2 Technology and Design™, Roundup®, Roundup®, SmartStax® and VT Double PRO® are trademarks of Bayer Group, Bayer Canada ULC licensee. LibertyLink® and the Water Droplet Design are trademarks of BASF. Used under license. Herculex® is a registered trademark of Dow AgroSciences LLC. Used under license.



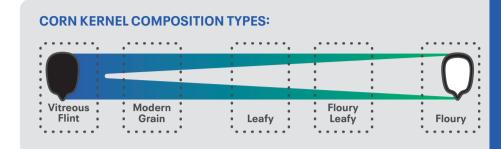
Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



<sup>• •</sup> Dual Mode of Action

<sup>• • •</sup> Triple Mode of Action

#### CHOOSING THE RIGHT HYBRID FOR YOUR CORN SILAGE NEEDS



Dual purpose and BMR hybrids have a modern grain type kernel with more vitreous starch.

Leafy and Floury Leafy corn silage hybrids have more floury kernel types for a boost in starch digestibility.

#### **DUAL PURPOSE**

- · Convenient harvest options
- Higher planting populations (higher seed cost)
- High vitreous starch (less starch digestibility)

#### **LEAFY**

- · Silage specific harvest option
- Lower planting populations (lower seed cost)
- More leaves above the ear (increased tonnage)
- Less vitreous and more floury starch (improved starch digestibility)

#### **FLOURY LEAFY**

- Silage specific harvest option
- Lower planting populations (lower seed cost)
- More leaves above the ear (increased tonnage)
- High floury starch (increased starch digestibility)









**GRAIN 35,000 PPA** 

**LEAFY 28,000 PPA** 



## **CORN HYBRIDS**

#### Hybrid Corn Leafy Hybrid Corn

#### **PS 2076VT2P RIB**

- Very good Goss's Wilt resistance
- Very good test weight
- Performs well under higher pops

CHU: 1950 RM: 72



Dry Down Test Weight

Silage Potential



5 4 4

#### **PS 2142RR**

- Early flowering hybrid
- · Flint kernel grain type

Roundup Ready:

4

5

5

4

3

4

4

3

5

4

Tall plant height

CHU: 2000 RM: 73

Seedling Vigour Stalk Strength

Dry Down Test Weight

Silage Potential

#### **PS 2210VT2P RIB**

- Great maturity yield potential
- Widely adapted East to West
- Tall plant height

CHU: 2125 RM: 75

Seedling Vigour

Stalk Strength Dry Down

Test Weight

Silage Potential

#### **PS 2320RR**

- · Early flowering hybrid
- Flint kernel grain type
- Tall plant height

CHU: 2200 RM: 76

Seedling Vigour

Dry Down

Silage Potential

4

Stalk Strength

Test Weight



#### PS 2321VT2P RIB

4

4

3

5

**l** 5

- Early flowering hybrid
- Flint kernel grain type
- Tall plant height

CHU: 2225 RM: 76

**VTDoublepro** 

Seedling Vigour Stalk Strength

Dry Down

**Test Weight** 

Silage Potential

#### **PS 2332**

- Early flowering hybrid
- Flint kernel grain type
- Medium plant height

CHU: 2250 RM: 77

Seedling Vigour Stalk Strength

Dry Down **Test Weight** 

Silage Potential

#### **PS 2333RR**

- Early flowering hybrid
- Flint kernel grain type
- Medium plant height

CHU: 2275 RM: 77

Seedling Vigour Stalk Strength

Dry Down **Test Weight** Silage Potential

#### Roundup Ready

**VTDoublepro** 

4

5

5

3

5

4 4

3 5 4

#### **PS 2420RR**

- Early flowering hybrid
- Flint kernel grain type
- Tall plant height

CHU: 2300 RM: 78 Seedling Vigour

Stalk Strength Dry Down

Test Weight Silage Potential

#### NEW

#### **PS 2495RR**

- Flint kernel grain type
- Very tall plant height
- Early flowering hybrid

CHU: 2325 RM: 80

Seedling Vigour Stalk Strength

Dry Down

Silage Potential



4 3

3 Test Weight 5

## Roundup Ready

5

#### PS 2444VT2P RIB

- Impressive yields, fast drydown
- Great staygreen & fall intact
- Medium tall plant height

CHU: 2350 RM: 79

Seedling Vigour Stalk Strength Dry Down

Test Weight Silage Potential



4 4 5

3 4

#### PS 2563GSX RIB

- Ealry maturity SmartStax hybrid
- Medium plant height

CHU: 2400 RM: 80

Seedling Vigour Stalk Strength Dry Down

Test Weight Silage Potential



3 5 5 3

5

## SmartStax<sup>®</sup>

#### PS EXSEED LF RR

- Contains the floury gene
- White cob
- · Very high dry matter yield

CHU: 2450 RM: 83

Seedling Vigour Stalk Strength

Emergence Height



4 3

4 4

#### NEW

#### **PS EXAMINE LFF RR**

- Full floury leafy corn silage
- Excellent emergence & early season development - tall height

CHU: 2525 RM: 86 Seedling Vigour Stalk Strength

Emergence

Height



#### **PS EXTREME RR**

White cob

Stalk Strength

Emergence

Height

- Improved forage quality
- High dry matter yield

CHU: 2575 Roundup RM: 87 Ready Seedling Vigour 4

4 4 3

#### PS EXPAND LF RR

- Contains the floury gene
- White cob

Height

Very high dry matter yield

CHU: 2625 RM: 88 Seedling Vigour Stalk Strength Emergence



3 4 5

#### PS EXPECT LFF RR

- Full floury Leafy corn silage
- White cob

CHU: 2750

Height

Very tall plant height

RM: 94 Seedling Vigour Stalk Strength Emergence



5

21

|   | Variety           | Heat<br>Units | Realative | Maturity<br>Value<br>Added<br>Trait | Seeding<br>Rate | Emergence | Seedling Vigo | Stalk Strength | Root Strength | Stay Green | Stress Toleran | Test Weight | Silage Potentia | North Leaf Blig | Gray Leaf Spot | Common Rust | Goss's Wilt | Flowering | PlantHeight | Grain Type | Dry Down |
|---|-------------------|---------------|-----------|-------------------------------------|-----------------|-----------|---------------|----------------|---------------|------------|----------------|-------------|-----------------|-----------------|----------------|-------------|-------------|-----------|-------------|------------|----------|
|   | HYBRID CORN       |               |           |                                     |                 | 1 =       | Poor          | 5              | 5 = Ex        | celle      | nt             | - = I       | Not A           | vaila           | ble            |             |             |           |             |            |          |
| N | PS 2076VT2P RIB   | 1950          | 72        | VTDoublePRO®                        | 32 - 36         | •         | •             | •              | •             | •          | •              | •           | •               | •               | •              | _           | •           | E         | М           | D          | Fast     |
|   | PS 2142RR         | 2000          | 73        | Roundup<br>Ready<br>CORN 2          | 34 - 36         | •         | •             |                |               | :          | •              | •           | •               | •               | •              | :           | :           | Е         | SM          | D          | Fast     |
|   | PS 2210VT2P RIB   | 2125          | 75        | VTDoublePRO*                        | 32 - 36         | •         | •             | •              | •             | •          | •              | •           | •               | •               | •              | •           | •           | Е         | Т           | D          | Fast     |
|   | PS 2320RR         | 2200          | 76        | Roundup<br>Ready<br>CORN 2          | 30 - 34         | •         | •             | •              | •             | •          | •              |             |                 | •               | •              | •           | •           | Е         | Т           | F-D        | Slow     |
|   | PS 2321VT2P RIB   | 2225          | 76        | VTDoublePRO®                        | 30 - 34         | •         | •             | •              | •             | •          | •              |             | •               | •               | •              | •           | •           | Е         | Т           | F-D        | Slow     |
|   | PS 2332           | 2250          | 77        |                                     | 32 - 36         | •         | •             | •              | •             |            | •              |             | •               | •               | •              | •           | -           | VE        | М           | F          | Slow     |
|   | PS 2333RR         | 2275          | 77        | Roundup<br>Ready<br>CORN 2          | 32 - 36         | •         | •             | •              |               |            |                |             |                 | •               | •              |             | -           | VE        | М           | F          | Slow     |
|   | PS 2420RR         | 2300          | 78        | Roundup<br>Ready<br>CORN 2          | 30 - 34         |           |               |                | :             | i          |                | :           | •               | :               | :              | :           | :           | Е         | Т           | F-D        | Slow     |
| N | PS 2495 RR        | 2325          | 80        | Roundup<br>Ready<br>CORN            | 30 - 34         | •         | •             | •              | :             | •          | •              |             |                 | •               | _              | _           | •           | Е         | VT          | F          | Slow     |
|   | PS 2444VT2P RIB   | 2350          | 79        | VTDoublePRO*                        | 32 - 36         | •         | •             | •              | :             | •          | •              | •           | •               | •               | •              | •           | :           | М         | MT          | D          | Fast     |
|   | PS 2563GSX RIB    | 2400          | 80        | SmartStax <sup>®</sup>              | 32 - 36         | •         | •             |                |               | •          | •              | •           |                 |                 | •              | •           | •           | Е         | М           | D          | Fast     |
|   | LEAFY CORN HY     | BRIDS         |           |                                     |                 | =         | Poor          |                | ) = Ex        | celle      | nt             | -=1         | Not A           | vaila           | ble            |             |             |           |             |            |          |
|   | PS ExSeed LF RR   | 2450          | 83        | Roundup<br>Ready<br>CORN 2          | 28 - 30         | •         | •             | •              | •             | •          | •              | _           |                 | _               | _              | _           | -           | Е         | Т           | D          | Slow     |
| N | PS ExAmine LFF RR | 2525          | 86        | Roundup<br>Ready,<br>conv           | 28 - 30         |           |               | :              | :             | :          | :              | -           | •               | _               | _              | _           | _           | E         | Т           | D          | Slow     |
|   | PS ExTreme RR     | 2575          | 87        | Roundup<br>Ready<br>CORN 2          | 28 - 30         | •         | •             | •              | •             | •          |                | -           | •               | -               | -              | -           | -           | Е         | Т           | D          | Slow     |
|   | PS ExPand LF RR   | 2625          | 88        | Roundup<br>Ready<br>CORN 2          | 26 - 28         |           |               | •              |               | :          | •              | -           |                 | -               | -              | -           | -           | М         | VT          | D          | Slow     |
|   | PS ExPect LFF RR  | 2750          | 94        | Roundup<br>Ready,<br>CORN 2         | 26 - 28         | 51014     | EDINO         |                | • ·           |            | •              | -           |                 | -               | -              | -           | -           | M         | VT          | D          | Slow     |

FLOWERING PLANT HEIGHT GRAIN TYPE



# **WORKING WITH DLF**



OUR WORLD CLASS SEED IS PRODUCED BY THE FINEST GROWERS IN THE INDUSTRY



## SEED PRODUCTION CONTRACTS

Some of the many benefits of forage crop and turfgrass seed production include:

- Improved soil quality
- · Reduced soil salinity
- · Improved water infiltration and internal drainage
- · Reduced field weed populations
- · Reduced tillage results in less soil erosion

- · Increased soil fertility when growing a legume
- · Diversifies field operations
- · Spreads risk
- Requires fewer cash inputs than most grain crops that are produced

#### PRODUCTION SPECIES

**Alfalfa:** Easy to establish perennial forage crop that is widely adapted to most prairie soils but will not tolerate areas that have periodic flooding

**Timothy:** Cool season bunch grass, shallow rooted with good flooding tolerance

**Red Clover (Double Cut):** Short-lived perennial, with excellent moisture tolerance and adaptability

**Alsike Clover:** Short-lived perennial with adaptability and a moderate tolerance to alkalinity and flooding

**Birdsfoot Trefoil:** Long-lived perennial legume, prefers somewhat poorly drained areas

**Hybrid Bromegrass:** Long-lived perennial grass with low to moderate tolerance of saline and acidic soils

**Tall Fescue:** Deep rooted, long-lived perennial with excellent adaptability to all soils

**Perennial Ryegrass:** Quick establishing bunch grass with good adaptability

#### **CONTRACT TERMS**

- Both fixed and open market pricing is available, depending on the species
- · Freight subsidies, location dependant
- Interest free financing of Foundation Seed is available

# IT TAKES 15 YEARS OF RESEARCH & DEVELOPMENT FOR A NEW VARIETY TO MAKE IT INTO A DLF SEED BAG!

#### **YEAR 1-4**

Different legumes and grasses are crossed in order to find new and improved breeding lines. These new lines are then propagated for test seed samples and sown in thousands of test plots.

#### **YEAR 5-8**

The new breeding lines are tested under different climatic conditions around the world to evaluate their performance. Only the best varieties continue in our program.

#### **YEAR 9-11**

The very best varieties are put into initial seedstock production by our breeders.

#### **YEAR 12-13**

Seedstock is planted by our experienced seed growers.

#### **YEAR 14**

Certified seeds are harvested, cleaned and samples are taken and tested for purity and germination in our own labratories.

#### **YEAR 15+**

After careful selection the varieties are mixed and packed into our bags at our dedicated warehouse.

## **CUSTOMER SERVICE**

At DLF we strive to provide industry leading customer service. We will provide the tools and support you need to succeed! We're proud of the people and relationships that make up DLF. The knowledge, expertise, loyalty and trust they bring are essential to our ability to deliver value to our customers, and to our continued success. We build a culture of trust through the following customer service standards:

#### ABOUT DLF CANADA INC. ...

DLF Canada Inc. was formed in 2022. DLF was founded in 1906 and is the global market leader in the research, development, production and distribution of turfgrass and forage crop seed.

DLF is owned by 3,000 Danish seed growers and has subsidiaries or sales offices in 22 countries around the world.

DLF Canada Inc. is headquartered in Lindsay, Ontario. Our brands are backed by a trusted and proven reputation for quality, agronomic advice and a commitment to research and technology. Our dedicated team provides practical and effective solutions to improve your profitability and reduce your operating risk.

#### COMMUNICATION

Customer can expect and trust professional advice and support

#### COMMITMENT

Customers can expect delivery of quality produts and friendly service

#### CREDIBILITY

Customers can expect added value by working with us



# **CONTACTS**



Vice President of Sales, North America



DEREK RODGERS
Vice President,
Western Canada
Wholesale & Operations



DALLAS OLDCORN
Sales Manager,
Western Canada



SYLVIA MEGENS

Manager,

Product Development



**DARRELL FLATLA**Regional Sales Manager,
British Columbia



**KEVIN SHAW**Regional Sales Manager,
Alberta



**SUZIE SPIES**Regional Sales Manager,
Alberta



**KEVIN DUNSE**Regional Sales Manager,
Alberta



Regional Sales Manager, Manitoba



Regional Sales Manager, Manitoba



**CHAD KEISIG**Regional Sales Manager,
Saskatchewan



**NEIL PUGH**Regional Sales Manager,
Saskatchewan



CUSTOMER SERVICE
MANITOBA
1-800-263-7425



CUSTOMER SERVICE SASKATCHEWAN (306) 862-9819



CUSTOMER SERVICE
ALBERTA
1-800-265-3925



CUSTOMER SERVICE BRITISH COLUMBIA 1-877-504-7964



#### **ONTARIO**

1 Greenfield Road, Box 304, Lindsay, ON K9V 4S3 P (705) 878-9240 1-800-661-GROW (4769) F (705) 878-9249 Email: info@pickseed.com

#### **QUÉBEC**

4155 rue Lesage, St-Hyacinthe, QC J2T 5K1 P (450) 799-4586 1-800-567-7425 F (450) 799-1026

#### **MANITOBA**

Box 4, Group 200, RR#2 1884 Brookside Blvd., Winnipeg, MB R3C 2E6 P (204) 633-0088 1-800-263-7425 F (204) 694-1690

#### **SASKATCHEWAN**

1920 Highway 35 S, Airport Road W, PO Box 100, Nipawin SK S0E 1E0 P (306) 862-9819 F (306) 862-2480

#### **ALBERTA**

11239 186 St. NW, Edmonton, AB T5S 2T7 P (780) 464-0350 1-800-265-3925 F (780) 464-0305

#### **BRITISH COLUMBIA**

Box 2407, 2156 Mile 2, Alaska Hwy, Dawson Creek, BC V1G 4T9
P (250) 782-3040
F (250) 782-2252

#### **DLF MOORE SEED**

Box 360, 72058 Range Road 11 South, Debolt, AB TOH 1B0 P (800) 563-0461