Wheat

Seed Treatments

Grain Sorghum

Forage Sorghum

Millet

Triticale

Alfalfa

Oats

Cover Crops

Grasses

2020

SEED GUIDE

Powered by Generations
FARMING for the FUTURE

Powered by Generations

FARMING FOR THE FUTURE

Polansky Seed is a **family business built upon generations of expertise** and service in the seed industry. We take pride in our family business, which has been in operation for 78 years. Our family dedication strives to give farmers and ranchers the best possible genetics on the market.

As our company has continued to move forward, we built a state-of-the-art cleaning facility to ensure we are providing producers with the **best quality seed in the business**. Polansky Seed can provide for all of your seed needs ranging from the best genetics in corn and soybeans, to increasing soil health using our wide variety of cover crop options. We are proud of our diverse forage line-up that has great tonnage, feed quality and grazing potential to fit our ranchers' needs.

The Polansky Seed family believes in **giving back to our community** with a goal of improving the opportunities for production agriculture. On behalf of the Polansky Seed family, thank you for giving us the opportunity to serve your seed needs. We look forward to working with you for many generations to come.

CONTENTS

Polansky Seed
PROCESSING PLANT

FOOD GRADE CERTIFIED

EQUIPMENT and TECHNOLOGY

- Q-SAGE Precision Air Screen Cleaner
- Cimbria Heid Indent Cylinders
- Oliver gravity tables
- Air aspiration
- Continuous dust collection
- Magnetic collector plates
- Vibratory hoppers
- Continuous cup elevators
- Robotic stacking
- Automated bulk bagging

Owner, Adrian Polansky stands next to the Q-SAGE Precision Air Screen Cleaner, which has the capacity to clean 1,200 bu/hr of wheat seed.

The Buhler color sorter, located in the cleaning facility, is allowing Polansky Seed to raise the bar on wheat seed.

Wheat Ranking Guide

Relative Maturity
E = Early
ME = Medium-Early
M = Medium
MF = Medium-Full
F = Full

Plant Height
1 = Shortest
9 = Tallest

Coleoptile Length
1 = Shortest
9 = Tallest

Other Ratings
1 = Poor
10 = Excellent

ROCK★STAR WHEAT from Polansky Seed

Relative Maturity	MF
Plant Height	7
Coleoptile Length	5
Shatter	8
Test Weight	6
Straw Strength	2
Winter Hardiness	8

- Medium-season wheat that moves into Southern and Eastern Kansas
- Excellent leaf and stripe rust tolerance
- Good straw strength with above average WSMV tolerance
- Better than average tolerance to aluminum in low pH soils
- Average test weight

Notes

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Paradise WHEAT from Polansky Seed

Relative Maturity	ME
Stripe Rust	10
Leaf Rust	7
Aluminum Tolerance	7
Soil Borne Mosaic Tolerance	10
Wheat Streak Mosaic Tolerance	7

- Bronze chaffed variety that stands out in a high-yield potential package
- Good yield record through central Kansas into Northern Oklahoma
- Medium-early maturity, with good stripe rust resistance and moderate tolerance to leaf rust
- Good standability with moderate resistance to powdery mildew and Barley Yellow Dwarf
- Good fall forage production with upright growth habit
- Good aluminum tolerance on low pH soils
- Mill and bake quality is high in protein, with strong gluten and excellent leaf volume

Notes

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Bob Dole

AgriPro syngenta

- Very good rust tolerance - leaf and stripe
- Consistent performance over years
- Excellent mill and bake quality
- Fusarium head blight tolerance

Relative Maturity	MF
Plant Height	7
Coleoptile Length	5
Shatter	9
Test Weight	9
Straw Strength	6
Winter Hardiness	6

Notes

SY Benefit

AgriPro syngenta

- Very consistent yields in the I-35 corridor
- Good mill and bake quality
- Medium maturity
- Aluminum tolerance for low pH soils

Relative Maturity	ME
Plant Height	2
Coleoptile Length	5
Shatter	8
Test Weight	8
Straw Strength	5
Winter Hardiness	7

Notes

SY 517 CL2

AgriPro syngenta

- Excellent test weight pattern
- Good straw strength
- Moderate tolerance to fusarium head blight
- Good winter hardiness

Relative Maturity	ME
Plant Height	5
Coleoptile Length	5
Shatter	8
Test Weight	8
Straw Strength	8
Winter Hardiness	7

Notes

SY Achieve CL2

AgriPro syngenta

- Two-gene variety with very high yield
- Excellent grazing potential
- Earlier maturity than other two-gene varieties
- Good stripe and leaf rust tolerance
- Good quality and good test weights

Relative Maturity	E
Plant Height	2
Coleoptile Length	5
Shatter	8
Test Weight	8
Straw Strength	5
Winter Hardiness	4

Notes

NEW Wolverine

AgriPro syngenta

- Outstanding yield performance
- Medium/early maturity with stiff straw
- Good wheat streak tolerance

Relative Maturity	ME
Plant Height	4
Coleoptile Length	5
Shatter	8
Test Weight	2
Straw Strength	3
Winter Hardiness	3

Notes

SY Monument

- Widely adapted with good disease and drought tolerance across the plains
- Tolerance to acid soils and soil-borne mosaic virus
- Good winter hardiness
- Moderate resistance to leaf and stripe rust
- Medium-full maturity, good risk management for spring freeze

Relative Maturity	MF
Plant Height	8
Coleoptile Length	5
Shatter	8
Test Weight	7
Straw Strength	5
Winter Hardiness	8

Notes

SY Wolf

- One of the highest yielding, most consistent wheat varieties across its area of adaptation
- Performs well in all management systems; excels in heavy residue
- Excellent overall disease tolerance, good straw strength and winter hardiness
- Good tillering, drought tolerance, test weight and shattering tolerance

Relative Maturity	M
Plant Height	5
Coleoptile Length	5
Shatter	8
Test Weight	7
Straw Strength	8
Winter Hardiness	8

Notes

LCS Revere

- Excellent top-end yield potential in a medium-early maturity
- Proven on-farm performance; ability to perform in the toughest drought and heat conditions
- Quick emergence, even in the heaviest residue
- Very good scab tolerance; built on the T158 platform

Relative Maturity	ME
Plant Height	5
Coleoptile Length	5
Shatter	8
Test Weight	8
Straw Strength	8
Winter Hardiness	9

Notes

NEW LCS Photon AX

- Medium-early maturity
- Improved straw strength
- Very good test weight
- T158 background

Relative Maturity	ME
Plant Height	8
Coleoptile Length	6
Shatter	9
Test Weight	10
Straw Strength	7
Winter Hardiness	9

Notes

NEW Dallas

- Resisitant to WSMV
- High yield potential
- Medium maturity and height variety
- Moderate resistance to stripe rust and good resistance to leaf and stem rust

Relative Maturity	M
Plant Height	5
Coleoptile Length	7
Shatter	8
Test Weight	6
Straw Strength	6
Winter Hardiness	N/A

Notes

Zenda

- Taller in the field than Everest, maturing medium-early
- Expresses good yield potential for the central corridor and eastward
- Moderate resistance to Fusarium head blight and stripe rust
- Tolerant of acid soils

Relative Maturity	ME
Plant Height	7
Coleoptile Length	7
Shatter	8
Test Weight	9
Straw Strength	10
Winter Hardiness	7

Notes

Doublestop CL+

- Very good yield potential
- Very good test weight
- Long coleoptile
- Strong herbicide tolerance

Relative Maturity	MF
Plant Height	8
Coleoptile Length	9
Shatter	7
Test Weight	8
Straw Strength	8
Winter Hardiness	8

Notes

Wheat Treatments

Polansky Cereals Fungicide - A general fungicide seed treatment for cereal grains with a broad spectrum control of yield-damaging diseases such as foot rot, root rot, bunt, smut and damping off.

Polansky Cereals Fungicide + Insecticide - A premium insecticide/fungicide combo that incorporates five different chemistries. It protects seedlings and roots from a range of diseases and insects such as foot rot, root rot, bunt, smut, damping off and wireworms. We use this product on our own seed and it gives your investment the extra safeguards by aiding in crop productivity and yield.

Polansky Cereals Fungicide + Insecticide Maxx - A premium high-rate insecticide/fungicide combo that incorporates five different chemistries. It has excellent control of insects such as wireworm, grasshopper, Hessian fly and aphids, while protecting seedlings and roots form a range of diseases.

WHEAT COMPARISON

Excellent	✓✓✓	Good	✓✓	Fair	✓	No Control	

What it Controls	Polansky Cereals Fungicide	Polansky Cereals Fungicide + Insecticide	Polansky Cereals Fungicide + Insecticide Maxx	NipsIt Suite Cereals OF	Raxil® Pro MD	Sativa IMF Max	Stamina F3 Cereals
Crop Safety	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓
Loose Smut	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Seed-Borne and Soil-Borne Common Bunt	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Seed-Borne Fusarium Scab	✓	✓	✓	✓	✓✓	✓✓✓	✓✓
Dwarf Bunt	✓✓✓	✓✓✓	✓✓✓				
Common Root Rot	✓✓	✓✓	✓✓	✓	✓✓	✓✓	✓
Plythium Damping Off	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓	✓✓	✓✓
Rhizoctonia	✓✓✓	✓✓✓	✓✓✓	✓	✓	✓	✓✓
Wireworm		✓✓	✓✓	✓✓		✓✓	
Aphids			✓✓✓			✓✓	
Hessian Fly			✓✓				

Soybean Treatments

Polansky Bean - A general fungicide-only product applied to soybean seed with broad protection from Fusarium, Rhizoctonia, Pythium and Phytophthora.

Polansky Bean Maxx - A premium fungicide + insecticide mix with multiple active ingredients for enhanced crop establishment from stronger, faster-growing plants above and below the ground. Protects your soybean crop against a broad range of insects and disease with best-in-class fungicide control.

SOYBEAN COMPARISON

Excellent	✓✓✓	Good	✓✓	Fair	✓	None	

What it Controls	Polansky Bean	Polansky Bean Maxx	Polansky Bean Maxx + Clariva	Acceleron	Acceleron + Nemastrike	Pioneer PPST	Intego Suite	Generic Custom Blends
Contents	3 Fungicides	1 Insecticide, 3 Fungicides	1 Insecticide, 3 Fungicides, 1 Nematicide	1 Insecticide, 3 Fungicides	1 Insecticide, 3 Fungicides, 1 Nematicide	1 Insecticide, 3 Fungicides	1 Insecticide, 3 Fungicides	1 Insecticide, 2-3 Fungicides
Insects (BLB, aphids, wireworm)		✓✓✓	✓✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Visual Vigor		✓✓✓	✓✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Phytophthora	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓	✓✓✓	✓	✓✓
Pythium	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Rhizoctonia	✓✓✓	✓✓✓	✓✓✓	✓	✓	✓✓	✓	✓✓
Fusarium	✓✓✓	✓✓✓	✓✓✓	✓	✓	✓✓✓	✓✓✓	✓✓✓
Seed-Borne Phomopsis	✓✓	✓✓	✓✓				✓✓	n/a
Seed-Borne Sclerotinia	✓✓✓	✓✓✓	✓✓✓				✓✓	n/a
Soybean Cyst Nematode			✓✓✓		✓✓			

Exceed[SAR] Plant Defense Booster

Super Concentrated Liquid Inoculant

Exceed[SAR] Mode of Action

- Systemic Acquired Resistance (SAR) - mechanism of plant defense providing broad spectrum protection against multiple pathogens including disease and nematodes
- Behaves like a general plant elicitor, inducing a non-host resistance and priming the systemic acquired immunity within the plant's cellular tissue
- SAR takes as little as 24-48 hours to activate plant responses, and lasts for the early stages of plant growth when disease and nematode pressure are most detrimental

Nematode Suppression

- Alters the effect the nematode has on young soybean plants

Plant Vigor

- Enables seed to germinate quickly and stimulate plant hormones responsible for root formation and development

TALC USA

- High grade premium 200 micron grind talc for seed application
- Fortified with .7% Iron and .9% Manganese by volume for increase in yield and plant health
- Eliminates planter issues due to premium grade talc

10 lb. Talc

Plastic container with molded handle and wide mouth EZ shake cover.

10 lb. Talc 80/20 Graphite Blend

Plastic container with molded handle and wide mouth EZ shake cover.

20 lb. Talc

EZ store pail with handle and hinged lid with Micronutrient Formulation.

20 lb. Talc 80/20 Graphite Blend

EZ store pail with handle and hinged lid with Micronutrient Formulation.

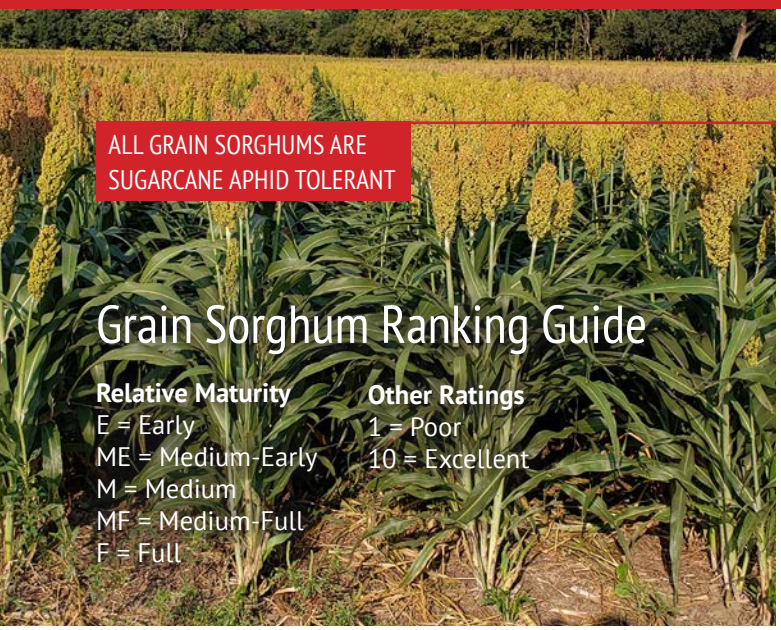
BULK CONVENIENCE
WITH BULK PRICING

MicroSurge Liquid Soybean Inoculant 275 Gallon Shuttle

Treats 16,500 units of soybeans. Applies dryer due to it's water-like consistency.

2.5 Gallon Liquid Soybean MicroSurge Inoculant

Treats 150 units of seed per container. Packaged in 2 x 2.5 per box. 36 boxes per pallet.



5519

- Very good medium-early maturity, medium height hybrid with sugarcane aphid tolerance
- Stable DW3 for a very low height mutation frequency

Stalk Quality	9
Root Strength	10
Head Exertion	8
Days to Mid Bloom	62
Grain Color	bronze
Drought Tolerance	8
Maturity	ME

Notes

5629

- Medium hybrid with good yield performance and plant type
- Offers sugarcane aphid tolerance

Stalk Quality	9
Root Strength	10
Head Exertion	8
Days to Mid Bloom	65
Grain Color	bronze
Drought Tolerance	8
Maturity	M

Notes

5537

- Anthracnose tolerant
- Excellent drought resistance
- Top end yield potential

Stalk Quality	10
Root Strength	10
Head Exertion	8
Days to Mid Bloom	62
Grain Color	red
Drought Tolerance	10
Maturity	M

Notes

5685

- Very good exertion
- Responds to environmental variation by adjusting yield accordingly
- Excellent resistance to smut

Stalk Quality	8
Root Strength	9
Head Exertion	8
Days to Mid Bloom	67
Grain Color	red
Drought Tolerance	8
Maturity	M

Notes

5719

- Strong performer at mid to upper yield levels
- Very good stalk and root structure
- Excellent grain color

Stalk Quality	10
Root Strength	10
Head Exertion	9
Days to Mid Bloom	70
Grain Color	red
Drought Tolerance	5
Maturity	MF

Notes

Forage Sorghum Types

Sorghum Sudangrass: Cross between Sudan and forage sorghum that can be used for pasture, hay or silage

Forage Sorghum: High yielding sorghum used for silage and baling

Millet: Ideal grazing choice due to very low prussic acid levels

Key Terminology

Brown Midrib (BMR): Low lignin, highly digestible, top quality sorghum

Photo-Period Sensitive (PPS): Plants remain in vegetative growth stage depending on day length and light

Brachitic Dwarf (BY): Reduced internodes with very high leaf to stalk ratios, superior standability and great tonnage

Male Sterile (MS): Produces no anthers and thus no pollen for grain production

Prussic Acid: Form of hydrocyanic acid in the new regrowth of sorghum-type plants that can cause severe poisoning in livestock

Delayed Maturity (DM): allows 25-30 additional growing days prior to heading

Late Maturity (LM): allows additional forage growth before heading

Forage Sorghum Numbering System

1 1 9

A B

A = Classification

1 = Sorghum Sudangrass
2 = Male Sterile Forage Sorghum
3 = Forage Sorghum

B = Characteristic

1 = Conventional
6 = Brown Midrib (BMR)
7 = Brown Midrib Photo-Period Sensitive (BMR PPS)
8 = Brown Midrib Dry Silk (BMR DS)
9 = Brown Midrib Brachytic Dwarf (BMR BY)

Forage Sorghum Ranking Guide

Relative Maturity
E = Early
ME = Medium-Early
M = Medium
MF = Medium-Full
F = Full

Usage
H = Hay
G = Grazing
S = Silage

Other Ratings
1 = Poor
10 = Excellent

	Sorghum Sudangrass						Forage Sorghum				
Product #	**118**	**119**	**169**	**179**	**189**	**199**	**219**	**269**	**319**	**369**	**399**
Trait	DM Conv.	Conv.	BMR	BMR PPS	BMR DS	BMR BY	Conv.	BMR	Conv.	BMR	BMR BY
Maturity	ME	ME	M	M	M	M	M	M	M	M	MF
Average Seed Size	18-22,000	18-22,000	15-17,000	16-18,000	15-18,000	14-15,000	16-18,000	15-18,000	15-16,000	14-16,000	14-15,000
Seeding Rate	18-20 lbs.	18-20 lbs.	18-20 lbs.	18-20 lbs.	18-20 lbs.	18-20 lbs.	4-8 lbs.	4-8 lbs.	4-8 lbs.	4-8 lbs.	4-8 lbs.
Height	6'-8'	6'-8'	6'-7'	8'-10'	6'-8'	5'-7'	6'-8'	6'-8'	6'-8'	7'-8'	6'-7'
Drought	8	8	7	7	7	7	9	7	7	8	7
Regrowth	8	8	8	8	8	7	7	7	6	6	8
Standability	8	8	8	6	7	7	8	7	5	6	7
Usage	H, G	H, G	H, G, S	H, S	H, G	H, G	H, G	H, G, S	S	5	S

118 DM Sorghum Sudangrass

- Higher yielding single or multi-cut
- Increased protein, leafy fine stems
- Wide window of harvestability lowers harvest expenses and increases yield
- Delayed maturity trait allows 25-30 additional growing days prior to heading

Height	6'-8'
Drought	8
Regrowth	8
Standability	8

Notes

119 Sorghum Sudangrass

- One of the most dependable and consistent performers on the market
- Excellent for multi-cut hay production
- Fast regrowth
- May begin grazing or baling at 24"-30"

Height	6'-8'
Drought	8
Regrowth	8
Standability	8

Notes

169 BMR Sorghum Sudangrass

- Medium-early maturing
- Excellent nutritional value
- Improved digestibility with the BMR trait, low lignin content
- Great early season option for grazing and haying

Height	6'-7'
Drought	7
Regrowth	8
Standability	7

Notes

199 BMR BY Sorghum Sudangrass

- BMR-6 gene technology
- Best for hay, grazing and greenchop
- Brachytic dwarf genes
- High sugar content
- Up to 50% more leaves

Height	5'-7'
Drought	7
Regrowth	7
Standability	7

Notes

179 BMR PPS Sorghum Sudangrass

- Photo-period sensitive
- Dual purpose: silage or hay
- Extended harvest window
- Best for hay, haylage and greenchop
- Good leaf to stem ratio

Height	8'-10'
Drought	7
Regrowth	8
Standability	6

Notes

189 BMR DS Sorghum Sudangrass

- Significant increase in digestibility, palatability and efficiency
- One of the first BMR summer annual forage grasses that can out-yield many non BMR hybrids
- Dry stalk gene to quicken dry-down

Height	6'-8'
Drought	7
Regrowth	8
Standability	7

Notes

319 Forage Sorghum

- Conventional hybrid designed for silage production
- Tall plant with strong stalk for good standability
- High grain-to-stover ratio for increased digestibility
- Wide leaves produce a dark, dense canopy for superior weed suppression and moisture conservation

Height	6'-8'
Drought	7
Regrowth	6
Standability	5

Notes

NEW 369 BMR Dry Stalk Forage Sorghum

- Tremendous early season vigor
- Work for double cropping
- Dry stalk trait beneficial for 65-70% moisture at soft dough stage
- Requires less inputs and water than corn for same production

Height	7'-8'
Drought	8
Regrowth	6
Standability	6

Notes

399 BMR BY Forage Sorghum

- Best for high quality silage
- High grain to forage ratio
- Excellent palatability
- Excellent standability
- Great leaf volume with close inter nodes for optimum tonnage

Height	6'-7'
Drought	7
Regrowth	8
Standability	7

Notes

419 Pearl Millet

- Does not contain prussic acid
- Produces quick, high yields
- High tolerance to many pathogens and high humidity
- High leaf mass

Notes

Winter Forage Triticale

- Spring silage option for fall and winter grazing
- Nutrient mitigation for livestock confinement operations
- Awnless characteristic, leading to good hay and silage production
- High tonnage resulting from spring silage harvest

Notes

NEW Thunder Graze Triticale

- Forage blend of triticale and rye
- Long season window with high quality forage
- Quick green up with longer stay green
- Great drought tolerance and disease resistance

Notes

469 BMR Hybrid Pearl Millet

- Multi-purpose forage
- Exceptional palatability
- Good regrowth and recovery
- High tillering capacity

Notes

GERMAN "R" STRAIN MILLET AND PIPER SUDANGRASS ALSO AVAILABLE

689 Premium Alfalfa

- Allegiance and inoculated
- Very good winter survival
- Extremely fast recovery after cutting
- Fall dormancy

Notes

6497R Alfalfa

- Excellent forage quality
- Very good drought stress ratings
- Top quality for dairy and cash hay producers
- Herbicide-tolerant
- Maximum yields, quality and/or milk per acre
- High multi-foliate expression for maximum quality

Notes

NEW Hayden

- A white-hulled, spring oat
- Medium-late maturity, heading about 4 days later than Shelby 427
- Excellent yield potential and high test weight
- Resistant to smut and BYDV

Notes

Goliath Oats

- Excellent disease resistance package, resistant to crown rust, stem rust, barley yellow dwarf and smut
- Late maturing, tall oat
- Excellent forage yield
- Plant at ¾" to 1½" depth at 70-90 lbs/acre

Notes

Hayes Forage Barley

- Two-rowed, hooded hay barley
- Adapted for a wide variety of growing conditions and climates
- Early maturing variety that produces a high yielding and uniform crop
- Fine stem that aids in feeding and digestibility

Notes

Winter Barley

- Excellent winter hardiness and yield potential
- Early maturity, high quality forage
- Used for late fall and winter grazing
- Awnletted six-row barley

Notes

Add Value

TO YOUR BOTTOM LINE WITH THE POLANSKY SEED CCI Method

Capture → Capture valuable unused nutrients

Conserve → Conserve soil structure and moisture

Improve → Improve soil health

Benefits of Cover Crops

3 Ways Key Ingredients are Lost from Soils:

1. Evaporation
2. Transpiration
3. Run-off

3 Ways Cover Crops Save Key Ingredients:

1. Deep, wide roots help increase moisture penetration through otherwise compact soils.
2. Cover on the fields when there is usually no cover present will keep the soils cooler.
3. Moisture and soil holding capacity increase more with live plants than bare ground.

More Than Just Soil Conditioning:

1. Reduced soil loss from erosion
2. Weed pressure suppression
3. More dollars per pound with return on grazing

Nitrogen Management: Cover crops can enhance Nitrogen production and/or reduce leaching. Overseed legume cover into corn, frost-seed into wheat or late summer-seed, to provide Nitrogen for future crops. Grasses can be used to take up excess Nitrogen and reduce the potential for groundwater leaching.

Erosion Control: Cover crops can be used to reduce wind and water erosion. Maintaining ground cover through fall, winter and early spring drastically reduce soil loss.

Improve Soil Quality: Cover crops enhance soil structure while increasing soil biological activity. They reduce soil compaction while increasing water percolation and retention. Cover crops help soils maintain a higher organic matter level than continuous row cropping without cover. They also improve soil aggregation, infiltration and bulk density.

Weed Suppression: Cover crops can play a role in managing weeds by shading and interfering with weed germination and establishment.

Insect Management: Cover crops will play an important role in future biological insect control. They increase activity in the soil by giving more matter for the biological activity.

Pastures: Cover crops can be used as a forage crop and feed source.

Cool Season						Warm Season	
Grass		Broadleaf					Grass
		Brassica					
Wheat	Orchard Grass	Rape	Legumes			Buckwheat	German Millet
Cereal Rye	Barley	Collards	Red Clover	Alfalfa	Chick Pea	Sunflower	Pearl Millet
Triticale	Oat	Radish	Field Pea	Sweet Clover	Cow Pea	Safflower	Sudangrass
Annual Fescue	Ryegrass	Turnip	Vetch	Crimson Clover	Soybean	Chicory	Corn

Graze Maxx

- Premium fall grazing blend in line with Polansky Seed CCI Method
- Conserves and improves soil structure
- Economical blend ideal for weight gain in livestock
- Includes oats, eco-till radish, turnips and forage collards
- 50 lb./acre seeding rate

Notes

Ground Maxx

- Summer blend in line with Polansky Seed CCI Method
- Conserves and improves soil structure by conditioning the soil with deep tap roots while contributing to organic matter growth
- Captures and fixes nutrients while conserving soil structure
- Includes cowpeas, PPS sorghum sudangrass, millet, eco-till radish and forage collards
- 25-30 lb./acre seeding rate

Notes

Spring Maxx

- Early spring mix of oats and forage peas
- Ideal for early season hay crop or early summer pasture
- As oats grow, peas will climb the oats, vigorously using sunlight to maximize forage potential
- 50-70 lb./acre seeding rate

Notes

Deer Maxx

- Includes oats, Austrian peas, radish, turnip, collards and rapeseed
- Excellent drought tolerance
- Provides abundant food sources during transition time from summer to winter
- 40 lb./acre seeding rate

Notes

NEW Feed Maxx

- Includes oats, forage peas, spring barley, spring triticale and hairy vetch
- Ideal early season grazing blend
- Thick cover for fast weed supression
- 60 lb./acre seeding rate

Notes

NEW Drilled Rye Mix

- Rye, turnips, radish, and collards
- Great blend for winter grazing over wintering rye
- Plating date Aug. 10-Sept. 10
- 60 lb./acre seeding rate

Notes

NEW Air Maxx 1

- Rye, turnips, radish, collards
- Great option for seeding corn
- Brassicas will winter kill
- Great for ground coverage and weed control
- Planting date July-Sept. 15
- 45 lb./acre seeding rate

Notes

NEW Air Maxx 2

- Oats, turnip, radish
- Will winter kill
- Great fall forage crop
- Planting date June-Aug.
- 25 lb./acre seeding rate

Notes

Buckwheat

- Rapidly-growing broadleaf cover crop to fight summer annual weed pressure
- Quick warm season "smother crop" to out-compete weeds and improve soil
- Can fit into rotation any time in late spring through late summer

Notes

Impact Forage Collards

- Excellent for grazing in early summer through winter
- High forage/biomass production
- Superior forage quality and palatability
- Drought tolerant

Notes

Peredovik Sunflower

- High biomass producer with tall, leafy growth
- Works well as part of a cover crop mix to add diversity
- 2-5 feet high forming small heads full of black seed high in oil content
- Excellent feed for game birds and young deer

Notes

Purple Top Turnips

- Excellent source of fall grazing for livestock and wild-life species
- Can be grazed during normal growing season as well as late fall
- Very fast growth habit, reaching near maximum levels in 70-90 days
- 2-5 lbs./acre pure, 1-2 lbs./acre mixed

Notes

Daikon Radish

- Superior, deep penetrating taproot
- Reduces soil compaction
- Builds organic matter
- Improves nutrient recycling

Notes

Hairy Vetch

- Ability to fix large quantities of nitrogen
- Produces high biomass
- Winterhardy
- Provides a weed-suppressing mulch for no-till corn and other crops
- Can be toxic to cattle and horses

Notes

Austrian Winter Peas

- Very winter hardy
- Plant on well-drained soil
- Recommended in a mix with oats, spring barley or triticale to add effective fiber
- Versatile as either a forage or a cover crop
- Can fix 90-150 lbs. of nitrogen per acre

Notes

4010 Forage Spring Peas

- High tonnage and highly palatable
- White flower for improved taste and digestibility
- Fast starting
- Recommended in a mix with oats, spring barley or triticale to add effective fiber

Notes

Cow Peas

- Warm season legume cover crop
- Fixes nitrogen
- Works well in mixes with summer annual grasses
- Also known as black-eyed peas
- Best used for summer cover crop, grazing, haylage and baling

Notes

Fria Annual Ryegrass

- Superior cold tolerance
- High forage yield
- Ideal cover crop
- Excellent palatability
- 20-30 lbs./acre drilled, 10-20 lbs./acre mixed

Notes

Cereal Rye

- Winter hardy and grows in cold temperatures
- Catch crop used to prevent leaching of excess soil nitrogen
- Earliest harvested winter annual if used as a forage
- Soil builder and weed suppressor
- Works well in a mix with legumes

Notes

Canola/Rapeseed

- Deep fibrous root system good for nutrient capture
- Shown to have biological activity against plant parasitic nematodes and weeds
- Can be planted in spring or fall

Notes

Sunn Hemp

- Tolerates hot, dry conditions
- High lignin content
- High biomass producer
- Suppresses weeds and nematodes
- Can be toxic to livestock in some situations

Notes

Crimson Clover

- Winter annual to fix atmospheric and soil nitrogen up to 100 lbs./acre
- Deep set roots improve soil tilth and overall soil condition
- Plant with a grass or small grain for erosion and weed control
- 10-20 lbs./acre drilled pure, 5-10 lbs./acre mixed

Notes

Red Clover

- Primarily used for hay, silage and soil improvements
- Quick growing, easily established and produces high quality forage
- Can be productive for three years or more with proper management
- 10-12 lbs./acre drilled, 4-6 lbs./acre mixed

Notes

Yellow Clover

- Fixes nitrogen
- Deep tap root for soil building, breaking up compacted soils and nutrient scavenging
- Blooms attract beneficial insects and pollinators
- Good soil cover and weed suppressor

Notes

Ladino White Clover

- Tall, white flowering clover
- Highly palatable and very nutritious forage
- Very aggressive growth
- Best planted with forage grasses such as orchardgrass, tall fescue or perennial ryegrass

Notes

Seeding Rates for Cover Crops (lbs./acre)

Polansky Blend	Blend Seeding Rate
Graze Maxx	50 lb./acre
Ground Maxx	25-30 lb./acre
Spring Maxx	50-70 lb./acre
Feed Maxx	60 lb./acre
Deer Maxx	40 lb./acre
Drilled Rye Mix	60 lb./acre
Air Maxx 1	45 lb./acre
Air Maxx 2	25 lb./acre

Crop	Drilled	Broadcasted	Mixed	Arial
Turnip	2-5	3-6	1-2	
Radish	3-6	5-8	2-3	
Vetch *	15-20	20-25	5-10	
Sunn Hemp *	18-20	25-35	10-15	
Ryegrass	15-20	20-30	7-12	
Forage Peas	70-80	90-100	25-35	
Winter Peas	30-40	40-60	15-20	
Mustard	5-8	10-15	3-7	
Cowpeas	30-50	50-70	15-30	
Collards	2-5	3-6	1-2	
Red Clover	8-12	10-15	4-8	
Crimson Clover	15-25	25-30	7-15	
Yellow Clover	3-9	7-15	4-6	
Ladino Clover	4-6	8-10	2-4	
Spring Barley	60-90	70-100	30-50	
Winter Barley	60-90	70-100	30-50	
Cereal Rye	70-100	80-120	40-70	
Wheat	60-100	90-120	25-40	
Oats	70-90	80-120	40-80	

Add 25-50% for grazing. * Can be toxic to livestock.

Turf Grasses

Polansky Seed has three top-of-the-line Turf Type Fescue grasses that are custom blended to make any lawn look like a plush golf course.

- **Country Estates Plus Turf Type Fescue with 10% Bluegrass**
- **Country Estates Turf Type Fescue**
- **Playground Turf Type Fescue**

Also Available

- **Annual Ryegrass**
- **Best of Blues Bluegrass**
- **BladeRunner Turf Type Fescue**
- **Cody Buffalograss (25 lb. bag)**
- **Common Bluegrass**
- **Creeping Bentgrass**
- **Fawn Tall Fescue**
- **Kentucky 31 Tall Fescue**
- **Perennial Ryegrass**
- **Riviera Bermudagrass (25 lb. bucket)**
- **Sahara Bermudagrass (50 lb. bag)**

Native Grass Blends

- **West Native Blend**
  30% El Reno Side Oats
  21% Little Bluestem Aldous
  19% Western Wheatgrass Barton
  10% Kaw. Big Bluestem
  10% Indiangrass Osage
  5% Lovington Blue Grama
  5% Blackwell Switchgrass
- **East Native Blend**
  26% El Reno Side Oats
  25% Indiangrass Osage
  24.5 % Kaw. Big Bluestem
  19.5% Little Bluestem Aldous
  5% Blackwell Switchgrass
- **Wild Flower Mix**
  19.2% Illinois Bundleflower
  10.48% Coneflower-Upright Prairie
  10.03% Coneflower-Clasping
  10.03% Indian Blanket
  9.92% Coneflower-Grayhead
  9.81% Blackeyed Susan
  9.81% Showy Partridge Pea
  9.71% Coreopsis-Plains
  4.96% Sunflower-False
  4.96% Purple Prairie Clover

New Lawn Sowing Rates		Over-Seeding Rates	
Tall Fescue	6.0 - 8.0 lbs./1,000 square feet	Tall Fescue	3.0 - 4.0 lbs./1,000 square feet
Ryegrass	6.0 - 8.0 lbs./1,000 square feet	Ryegrass	3.0 - 4.0 lbs./1,000 square feet
Bluegrass	2.0 - 3.0 lbs./1,000 square feet	Bluegrass	1.0 - 1.5 lbs./1,000 square feet
Bermudagrass	1.5 - 3.0 lbs./1,000 square feet	Bermudagrass	.75 - 1.5 lbs./1,000 square feet
Buffalograss	1.0 - 2.0 lbs./1,000 square feet	Buffalograss	.50 - 1.0 lbs./1,000 square feet

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