



RENOVO
SEED™

Canadian Product Lineup

Hey there, did you notice our new look? We're expanding our lineup with Renovo Seeds' pre-built, proven to work seed mixes while still keeping the Union Forage legacy, agricultural knowledge, and products you know and trust.

Renovo Seed leads the seed industry as a visionary in positive land use solutions. We offer a robust seed lineup and an unmatched team of experts who design practical, tailored solutions to improve the resiliency of your land and business for generations to come. Backed by Millborn's powerful supply chain and streamlined logistics, we strive to make your seed choices simple, and the ease of doing business even simpler.

Let's build some wholesome, regenerative crop cycles this season. And heck, we might even make some great forage while we're at it.

RENEW | REVIVE | REPEAT
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M
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Perennial Legumes

Variety	Package Size	Fall Dormancy	Winter Survival	Yield Level	Forage Quality	Root Type	DRI	Notes
Stockade	55 lb bag	2	2	6	3	Tap	N/A	<ul style="list-style-type: none"> ▶ Long-term hardy alfalfa ▶ Two-cut system with good grazing tolerance
Rancher	55 lb bag	N/A	N/A	6	3	Creeping	N/A	<ul style="list-style-type: none"> ▶ Creeping rooted suitable for grazing and haying ▶ Excellent hardiness
SW3407	50 lb bag	3	2	8	5	Tap	35/35	<ul style="list-style-type: none"> ▶ Leader for high quality hay ▶ Exceptional resistance to both races of Aphanomyces root rot ▶ Yields like a FD 4 with good winter hardiness
SW 4107	50 lb bag	4	2	9	4	Tap	35/35	<ul style="list-style-type: none"> ▶ Broadly adapted for variable environments and soil conditions ▶ Highly resistant to seven major alfalfa pests ▶ Excellent combination of yield, quality, and longevity
SW4618S	50 lb bag	4	2	7	3	Tap	30/35	<ul style="list-style-type: none"> ▶ Ideal for Saline Soils where irrigation water and/or soil contains moderate salt concentrations ▶ Well adapted to Western Fall Dormant 4 growing areas with challenging growing conditions ▶ Relative Feed Quality remains above average
Salinity Max 2	55 lb bag	4.2	1.5	8	5	Branch	36/40	<ul style="list-style-type: none"> ▶ Saline tolerant alfalfa with a sunken crown and branch roots ▶ Broad spectrum pest resistance package ▶ Outstanding forage quality with high yield potential
Final Answer Plus	50 lb bag	4.3	1.7	9	4	Branch/Tap & Sunken Crown	35/35	<ul style="list-style-type: none"> ▶ Alfalfa yield leader when using conventionally bred alfalfa ▶ Very fast harvest recovery ▶ An excellent choice for beef and dairy producers striving to boost alfalfa production and quality
AAC Glenview Sainfoin	55 lb bag	N/A	Excellent	6	3	Tap	N/A	<ul style="list-style-type: none"> ▶ A non-bloating legume used for grazing or hay production ▶ Improved re-growth and forage yield over other Sainfoin varieties ▶ Excellent quality for late fall and winter harvests
Cicer Milkvetch	55 lb bag	N/A	Excellent	6	5	Creeping	N/A	<ul style="list-style-type: none"> ▶ A non-bloating legume ideal for pasture and suitable for hay ▶ High protein content and excellent stockpiled forage option ▶ Creeping root structure ensures long-term production

Annual Forage & Cover Crop Blends

Variety	Package Size	Seeding Rate	Composition	Coating	Dry Matter Yield Potential	Forage Quality	Notes
Complete Annual Blend	2200 lb tote	65-75 lbs/acre	Forage Oats, Winter Triticale, Forage Peas, C4 Blend, T Raptor Turnip, Forage Rape, Barkant Turnip		2-4 ton/acre	3	<ul style="list-style-type: none"> ▶ Annual grazing and soil amendment blend that combines high-quality forages for a one-pass seeding ▶ Can be grazed or stockpiled for swath grazing or fall/winter grazing ▶ Delivers high feed quality and regrazing capabilities all summer long, and will stay palatable long into the fall
Ultimate Blend	55 lb bag	10-12 lbs/acre Add 30-40 lbs cereal and 10+ lbs forage peas	Crusader Ryegrass, Hairy Vetch, Hunter Turnip, Crimson Clover, Winfred/Goliath, Graza Radish	Super G	2-4 ton/acre	4	<ul style="list-style-type: none"> ▶ A balance of grasses, legumes and brassicas that yield exceptional nutritional quality and agronomic benefits ▶ When combined and seeded with cereal and peas it can be grazed 2-3 times throughout the summer, followed by a total graze off in October/November ▶ Ideal for improving body condition on all classes of livestock entering winter

Annual Forage & Cover Crop Blends

Variety	Package Size	Seeding Rate	Composition	Coating	Dry Matter Yield Potential	Forage Quality	Notes
Ranch Hand	50 lb bag	20 lbs/acre	Sorghum Sudangrass, Peredovik Sunflowers, Oats, Common Vetch, German Millet, Forage Rape, Turnips, Balansa Clover, Flax, Winfred Brassica		25-35 lbs/acre	4	<ul style="list-style-type: none"> ▶ Will perform well in the tough conditions of western environments ▶ Highly diverse warm-season mix ▶ Best used for fall and winter grazing to boost soil health
Dryland Blend	55 lb bag	10-12 lbs/acre Option to include 20-30lbs of cereal and 10+ lbs of Forage Peas	Proso Millet, Sorghum Sudan, Hairy Vetch, Barkant Turnip, Forage Rape, Sunflower	Super G	1-4 ton/acre	2	<ul style="list-style-type: none"> ▶ Designed with a higher percentage of warm-season forages and drought tolerant forage rape that is well adapted for hot, dry areas ▶ Can be used for multiple summer grazing or stockpiled for forage ▶ Biodiversity gives varied species expression as climate and nutrient availability impact results every year
Swath Grazing Blend	55 lb bag	5-7 lbs/acre Add 30-40lbs of cereal and 10+ lbs of forage peas	Goliath Forage Rape, Green Globe Turnip, Hunter Leafy Turnip	Super G	1-3 ton/acre	4	<ul style="list-style-type: none"> ▶ Designed to be used in addition to your own cereal swath grazing ▶ Created to increase protein, energy levels, and digestibility - all while allowing you to graze more animals and produce more pounds per acre ▶ When managed with break fencing, it ensures a good swath clean up and the root system left behind adds more organic matter to your soil
Relay Blend	55 lb bag	12-15 lbs/acre Add 40-50lbs of cereal and 10+ lbs of forage peas	Crusader Ryegrass, Hairy Vetch, Hunter Leafy Turnip, Winfred/Goliaht	Super G	1-3 ton/acre	4	<ul style="list-style-type: none"> ▶ Combines nutrient-dense brassica varieties with Italian ryegrass and hairy vetch for improved quality and late-season grazing ▶ Designed to be used with oats and/or barley for silage, or for swath grazing ▶ Reduce the seeding rate of cereal to manage competition and allow for growth under the canopy ▶ Consider adding forage peas for nitrogen fixation
Green Feed Relay	55 lb bag	12-15 lbs/acre Add in 50lbs of cereal	Crusader Ryegrass, Annual Ryegrass, Hairy Vetch	Super G	1-3 ton/acre	4	<ul style="list-style-type: none"> ▶ Use to increase the quality of green feed ▶ The addition of hairy vetch provides a legume component to fix nitrogen in the soil ▶ Can be grazed post-harvest if weather permits
Break Crop Blend	55 lb bag	10-12 lbs/acre	Crusader Ryegrass, Hairy Vetch, Crimson Clover	Super G	1-3 ton/acre	4	<ul style="list-style-type: none"> ▶ Designed to give you an option of keeping a brassica out of your crop rotation ▶ Made without a brassica to help lower the risk of clubroot disease and flea beetle pressure ▶ Can be grazed or used as a plow down crop
Regraze Blend	55 lb bag	12-15 lbs/acre Add 30-40lbs of cereal along with 10+ lbs of Forage Peas	Winter Triticale, Forage Rape, T Raptor Turnip, Green Spirit Ryegrass, Hairy Vetch, Barkant Turnip		2-4 ton/acre	4	<ul style="list-style-type: none"> ▶ Designed to be seeded along with a cereal to create a high quality feed ▶ Can be seeded early and grazed multiple times throughout the growing season ▶ Use this blend for high feed quality and regrazing capabilities as it will stay palatable long into the fall
Mellow Maker	50 lb bag, 2200 lb tote	50 lbs/acre	Cereal Rye Grain, Cover Crop Radish, Purple Top Turnip, Forage Rape		1-3 ton/acre	3	<ul style="list-style-type: none"> ▶ Offers quick growth for fall grazing and erosion control ▶ Provides spring green up for multiple forage uses ▶ Combination of brassica tap roots increases water infiltration and alleviates compaction
Double Down Blend	55 lb bag, 2200 lb tote	30-40 lbs/acre Add in 10+ lbs of spring cereal to increase early grazing production	Winter Triticale, Sweet Clover, Red Clover, Winfred/Goliath, Hairy Vetch, Chicory		2-4 ton/acre	3	<ul style="list-style-type: none"> ▶ A versatile two year bi-annual grazing, silage, or swath grazing crop that is designed to stand up to a wide range of moisture conditions across the prairies ▶ Year 1: Plant in early spring and graze or use for green feed, silage or swath grazing. Then graze in the fall/early winter ▶ Year 2: Use as an early grazing or silage option as the sweet clover, winter triticale, and red clover come back in the spring
Winter Wonder	50lb bag, 2000 lb Tote	60 lbs/acre	Hairy Vetch, Yellow Blossom Sweet Clover, Cereal Rye Grain		1-3 ton/acre	3	<ul style="list-style-type: none"> ▶ Trio of winter annuals ▶ Promotes soil biology through spring ▶ Gain nitrogen ▶ Best used as a soil builder with spring growth

Cool-Season Annual Forages

Variety	Package Size	Seeding Rate (lbs/acre)	Coating	Dry Matter Yield Potential	Forage Quality	Description
Pea/Barley	2200 lb tote	60-100		3-4 tons	4	▶ High crude protein potential as hay or silage
Pea/Oat Blend	2200 lb tote	60-100		3-4 tons	4	▶ Reliable way to add quality to oats used as a forage
Pea/Triticale	2200 lb tote	60-100		3-5 tons	4	▶ Highest yielding of the common pea/grain mixes
Simple Cereal Blend	2200 lb tote	60-100		2-4 tons	3	▶ Resiliency through diversity in oats, barley, peas, and triticale
Forage Peas	55 lb bag, 2200 lb tote	60-120		2-3 tons	5	▶ Highest levels of crude protein for a spring annual forage option
Forage Barley	2200 lb tote	80-120		2-3 tons	4	▶ Awnless, quickest maturing cereal grain
Forage Oat	2200 lb tote	64-100		3-4 tons	3	▶ Wide blade, high leaf to stem ratio for great palatability
Spring Triticale	2200 lb tote	80-120		2-4 tons	3	▶ Hardy, improved forage for quality and yield
Italian Ryegrass	55 lb bag	25-35	Super C, YJ	2-4 tons	5	▶ Persistent re-growth with exceptional quality

Inoculant available upon request

Warm-Season Annual Forages

Variety	Package Size	Seeding Depth (inches)	Moderate moisture seeding rate (lbs/acre)	Dryland seeding rate (lbs/acre)	Dry Matter Yield Potential	Forage Quality	Notes
Raptor	50 lb bag	3/4 - 1	15-20	12-15	4-6 tons/acre	5	▶ Photoperiod sensitive BMR sorghum-sudangrass ▶ Extremely high yield potential and water efficiency due to photoperiod sensitive trait
SorMax 85 Forage Sorghum	50 lb bag	3/4 - 1	10-15	8-10	4-6 tons/acre	4	▶ BMR brachytic forage sorghum ▶ 85 growing days to soft dough ▶ Excellent quality
Cow Conditioner	50lb bag, 2000 lb Tote	3/4 - 1	15-20	12-15	3-5 tons/acre	5	▶ Highly palatable BMR sorghum-sudangrass ▶ Versatile uses between grazing, haying, and chopping
Cowboy (RS9000)	50lb bag, 2000 lb Tote	3/4 - 1	15-20	12-15	3-5 tons/acre	4	▶ Reliable and versatile ▶ Economical sorghum-sudangrass hybrid
HayMax Pearl Millet	50lb bag, 2000 lb Tote	1/2 - 3/4	15-20	10-15	3-5 tons/acre	4	▶ Leafy, multi-purpose millet ▶ Tillers well
German Millet	50 lb bag, 2200 lb tote	1/2 - 3/4	25	20	1-3 tons/acre	4	▶ Drought tolerant, quick to harvest with consistent yield
Japanese Millet	50 lb bag, 2200 lb tote	1/2 - 3/4	25	20	2-4 tons/acre	3	▶ Multiple cuttings, saline tolerant
Red Proso Millet	55 lb bag, 2200 lb tote	1/2 - 3/4	25	20	1-3 tons/acre	3	▶ High grain or hay yield, palatable forage
Teff Grass	50 lb bag	1/4 - 1/2	8-10	6-8	1-3 ton/acre	5	▶ Extremely high quality grass hay crop ▶ Multi-cut with fast regrowth

Winter Annuals

Name	Package Size	Maturity	Seeding Rate	Yield Potential	Winter Survival	Height (inches)
Performer Hybrid Rye	25 unit tote	52.2 days past May 31	0.8-1 unit/acre or 800,000-1,000,000 seeds/acre	Highest	Very Good	43.3
Cossani Hybrid Rye	25 unit tote	53.2 days past May 31	0.8-1 unit/acre or 800,000-1,000,000 seeds/acre	High	Good	43.7
Winter Triticale	2200 lb tote	Variety Dependent	80-100 lbs/acre	Forage	Excellent	Variety Dependent

Perennial Forages

Variety	Package Size	Seeding Rate	Coating	Composition	Dry Matter Yield Potential	Forage Quality	Notes
Barricade Blend	50 lb bag	20-25lbs/acre Decrease if seeding with legume	YJ	Tall Fescue, Meadow Brome, Intermediate Wheatgrass, Smooth Brome, Wheatgrass	Average	3	<ul style="list-style-type: none"> ▶ Can be used in low rainfall areas and is designed for new planting or interseeding into pastures ▶ Recommend using in combination with legumes on more marginal dryland as the grass varieties are selected for their deep roots and drought tolerance ▶ YJ seed coating absorbs nearly 600 times its weight in water
GrazeMaster Blend	55 lb bag	20-25lbs/acre Decrease if seeding with legume	YJ	Arsenal Meadow Brome, STF 43 Tall Fescue, HLR Orchardgrass, Slender Wheatgrass	High	3	<ul style="list-style-type: none"> ▶ Adaptable pasture mix ▶ Leading-edge grass varieties ▶ High yield, excellent digestibility and longevity
GrazeMaster HQ Blend	55 lb bag	15-25lbs/acre	YJ	HLR Orchardgrass, STF 43 Tall Fescue	High	4	<ul style="list-style-type: none"> ▶ Specially designed for beef and dairy operations - highly productive and high energy forage varieties provide rapid weight gain ▶ Includes highly digestible soft leaf tall fescue, which increases overall dry matter intake compared to rough leaf tall fescue ▶ High Leaf Ratio Orchard Grass varieties maintain their productivity even under close grazing or haying programs with high relative forage quality ▶ Can be grown across Western Canada under moderate to high rain fall areas or under irrigation
HQ Hay Blend	55 lb bag	15-20lbs/acre	YJ	STF 43 Tall Fescue, HLR Orchardgrass, AAC Glenview Sainfoin, UF Stockade Alfalfa	High	5	<ul style="list-style-type: none"> ▶ Your one-stop-shop for a high tonnage stand of hay that you can feed to all classes of livestock ▶ High leaf to stem ratio for improved digestibility and energy ▶ The alfalfa in the blend makes for a long-living hay stand you can rely on for many years to come

Perennial Forages

Variety	Package Size	Seeding Rate	Coating	Composition	Dry Matter Yield Potential	Forage Quality	Notes
HY Power Pasture Blend	55 lb bag	15-20lbs/acre	YJ	Arsenal Meadow Brome, STF 43 Tall Fescue, HLR Orchardgrass, Slender Wheatgrass, AAC Glenview Sainfoin, UF Stockade Alfalfa, Cicer Milkvetch	High	4	<ul style="list-style-type: none"> ▶ This complete blend of our most frequently recommended grasses and legumes makes for a top of the range grazing forage blend ▶ Best suited for medium to high moisture regions and is ideally suited for rotational grazing management ▶ The blend of legumes in this combination will improve soil health and add above average feed quality to your pastures ▶ Can be harvested as high protein and high energy hay stand
Stockmaster Dryland Blend	55 lb bag	15-20lbs/acre	Inoculant	Armory Tall Fescue, Arsenal Meadow Brome, Intermediate Wheatgrass, Artillery Smooth Brome, Hammon Wheatgrass, Cicer Milkvetch, AAC Glenview Sainfoin, Stockade Alfalfa	Average	3	<ul style="list-style-type: none"> ▶ Contains the toughest of the dryland grasses and legumes to best perform in the low rainfall areas across western Canada ▶ Protects pastures against drought with the latest varieties of forages selected for germination, establishment, synergy, and growth under low rainfall ▶ Use this mix to restore your grazing land to its greatest potential with rotational grazing management practices
Nitromaster Blend SA	55 lb bag	60-10lbs/acre Seed with a grass mix	Inoculant	AAC Glenview Sainfoin, UF Stockade Alfalfa	Average	5	<ul style="list-style-type: none"> ▶ Can be used as a mix with grass blends to establish an excellent perennial pasture, or to improve an existing pasture ▶ Works well to establish a pure legume stand for haying or grazing in dry areas ▶ Effective for managing bloat when grazing legumes
Nitromaster Blend V	55 lb bag	5-8lbs/acre Seed with a grass mix	Inoculant	AAC Glenview Sainfoin, UF Stockade Alfalfa, Cicer Milkvetch	Average	5	<ul style="list-style-type: none"> ▶ Contains non-bloating legumes that fix nitrogen like alfalfa and allow for extended grazing ▶ Mix of perennial and drought tolerant legumes that improve protein production in pastures and fix nitrogen in the soil ▶ Reduces the need for nitrogen fertilizer
Self Seeder Blend	55 lb bag	N/A	None	AAC Glenview Sainfoin, Yellow Blossom Sweet Clover, Alsike Clover, Birdsfoot Trefoil, Cicer Milkvetch, Red Clover	Low	5	<ul style="list-style-type: none"> ▶ Developed to allow livestock, specifically cattle, to distribute the seed on pasture land that is too rough for the use of conventional seeding equipment
Salinity Buster Blend	55 lb bag	15-25lbs/acre	Salt Tolerant + Inoculant	Slender Wheatgrass, STF43 Tall Fescue, SW4618S Alfalfa, Western Wheatgrass, Tall Wheatgrass, Rancher Alfalfa, Intermediate Wheatgrass, Alsike Clover, YB Sweet Clover, Birdsfoot Trefoil	Low	3	<ul style="list-style-type: none"> ▶ A perennial grass/legume mix to establish, stabilize, and improve the production potential of a saline area ▶ Seed in excess of 50-200 feet around the most saline affected area to regenerate soil ▶ Seeding options vary. Timing can be late fall when soils at seeding depth are 2 degrees Celsius, or in spring after the area has dried up, preferably immediately following a rainfall event

Turf Mixes

Name	Package Size	Best Uses	Establishment Rate	Mix Ratio	Shade	Cold	Drought	Traffic	Growth Habit	Seeding Rate (lbs/1,000 sq ft)
Fairgrounds	25lb	<ul style="list-style-type: none"> ▶ Adaptable turf ▶ Use in tree belts and out-buildings ▶ Lower moisture use 	14-28 days	25% Kentucky Bluegrass 20% Fine-leaf Perennial Ryegrass 20% Creeping Red Fescue 20% Fairway Crested Wheatgrass 15% Turf Type Tall Fescue	2	2	2	2	Rhizome & Bunch	2
GK Elite	5lb, 25lb	<ul style="list-style-type: none"> ▶ Meticulous lawns and sports fields ▶ Requires good fertility ▶ Will match most bluegrass sod ▶ Irrigated 	21-28 days	80% Elite Kentucky Bluegrass 20% Fine-leaf Perennial Ryegrass	1	2	1	3	Rhizome & Bunch	4
Heartland	25lb	<ul style="list-style-type: none"> ▶ Grows well in most soil types ▶ Drought and shade tolerant ▶ Durable, low maintenance lawns 	14-28 days	35% Creeping Red Fescue 15% Hard Fescue 15% Sheep Fescue 15% Kentucky Bluegrass 10% Kentucky + Texas Bluegrass 10% Perennial Ryegrass	2	2	3	2	Rhizome & Bunch	5-6
Landscaper's Blend (Developer's Blend)	5lb, 25lb	<ul style="list-style-type: none"> ▶ Can be used in nearly any situation ▶ Economical version of Quality Sun & Shade ▶ Works on irrigated or non-irrigated ground 	14-28 days	40% Kentucky Bluegrass 30% Fine-leaf Perennial Ryegrass 30% Creeping Red Fescue	2	2	2	2	Rhizome & Bunch	5-6
Quality Sun & Shade	5lb, 25lb	<ul style="list-style-type: none"> ▶ Can be used in nearly any situation ▶ High quality, adaptable turf ▶ Works on irrigated or non-irrigated ground 	14-28 days	60% Improved Kentucky Bluegrass 25% Fine-leaf Perennial Ryegrass 15% Creeping Red Fescue	2	2	1	3	Rhizome & Bunch	4
Supreme Shade	5lb, 25lb	<ul style="list-style-type: none"> ▶ Use in shade and transition areas ▶ Works on irrigated or non-irrigated ground 	14-28 days	25% Chewings Fescue 20% Improved Kentucky Bluegrass 20% Fine-leaf Perennial Ryegrass 20% Creeping Red Fescue 15% Hard Fescue	3	2	3	2	Rhizome & Bunch	6-7
Tough Play (premium tall fescue)	5lb, 25lb	<ul style="list-style-type: none"> ▶ Sports fields ▶ Does best with some irrigation ▶ Requires less water and fertilizer than Kentucky Bluegrass 	14-21 days	90% Elite Tall Fescue 10% Elite Kentucky Bluegrass	2	2	3	3	Bunch	8-10

Shade, Cold, Drought, and Traffic are rated on a 1-3 scale, with 1 being the least tolerant and 3 being the most tolerant.

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Custom Blending Available

We take pride in our pre-built, proven to work seed mixes that take the guessing game out of choosing a forage option. But with that said, we know every farm is unique and no two operations are the same. If you have a specific mix in mind or want to tweak an existing mix, we offer custom blending options. Speak to your local rep or give us a call at 1.877.269.2469 to design a custom mix today.



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