



DEVELOPMENT | RESEARCH | SPECIALITY



FORAGE SEEDS GUIDE

2020

SEMICAN, YOUR REFERENCE FOR FORAGES

With more than 36 years of presence in agriculture, Semican has become a staple for producers who demand the market products that meet their growing needs.

Increasingly, SEMICAN is becoming a leader in research and innovation. Our company offers the agricultural industry, products, services and forage seeds that are efficient and adapted to our climatic conditions thus enabling the farmer to face the challenges of the future.

To this end we offer our exclusive "OPTIMUM" forage seed mix range.

Place your trust in Semican.

CENTRE DE RECHERCHE

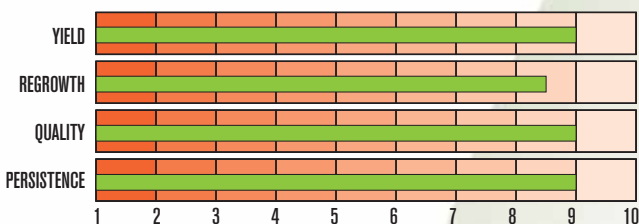


ALFALFA

Our certified alfalfa and clover are inoculated with PRE-VAIL.
PRE-VAIL is approved for organic production.

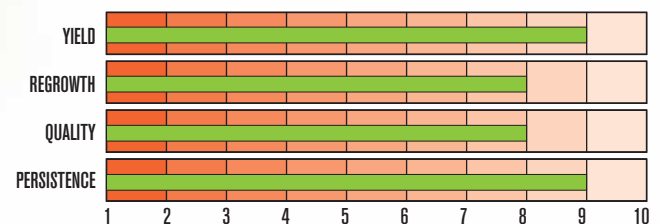
STRONGHOLD ALFALFA

- Multifoliate
- A high quality, highly digestible alfalfa with exceptional yields
- Very fast regrowth after cutting allowing for a 28 day harvest schedule
- Highly persistent featuring an exceptional disease resistance package



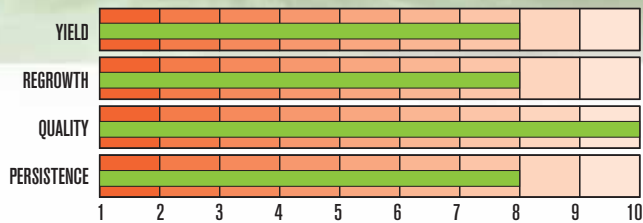
STOCKPILE ALFALFA

- High yielding, persistent alfalfa
- Produces high quality forage with very good regrowth
- Excellent disease resistance



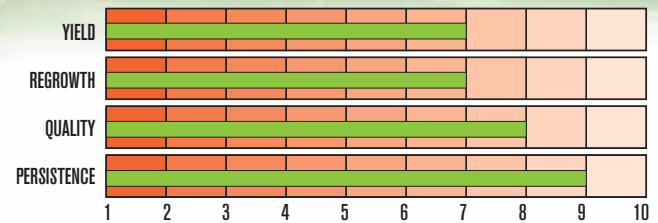
SURGE HI-GEST ALFALFA NEW

- New alfalfa with high digestibility
- Excellent resistance to diseases
- Outstanding forage quality
- Dormancy of 4



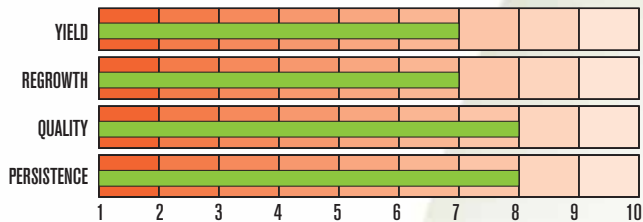
AC BRADOR ALFALFA

- Trifoliolate Alfalfa, index of 108 at CRAAQ in 2016
- Excellent hardiness
- Fine stem facilitating the production of dry hay, ideal for long rotation



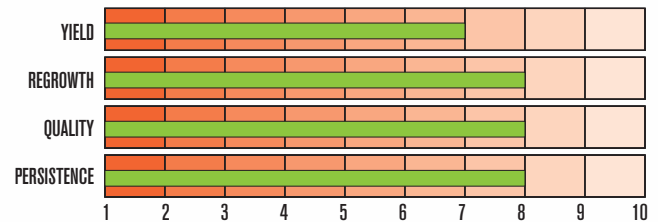
2010 ALFALFA (BRANCH ROOTS)

- Alfalfa with branched roots
- Suitable for soils with varying conditions
- Excellent disease resistance
- Can be used for both silage and pasture



HY-PRO BRAND ALFALFA

A blend of Semican Alfalfa varieties which includes a branch rooted variety providing genetic diversity, adaptability to variable soils, yield persistence and good disease resistance.



CLOVER AND TREFOIL

SANTA FE DOUBLE CUT RED CLOVER

- Average maturity
- Excellent regrowth

BRUCE BIRDFOOT TREFOIL

Perfect legume for lowland situations and acidic pH. Very persistent and offers a remarkable dry hay or silage, due to the fineness of its stem.

GRASSES

SUMMERGRAZE TIMOTHY

Mid-maturity and high yielding winter hardy. Variety that produces a remarkable leaf density. Ideal for intensive cutting.

OVATION TIMOTHY

Medium late maturity. Very impressive regain (index of 114 at CRAAQ 2016) with a semi-late bloom. Leafy plant with fine stems for a remarkable palatability.



GRASSES

CARLTON BROME

Offers the best winter hardiness. Leafy plant very well adapted to the climate of the North. With good persistence and resistance to drought, it is an indispensable asset to increase your yields.

AC ADMIRAL MEADOW BROME NEW

Bred in Canada for the harsh Canadian environment AC® Admiral Meadow Bromegrass's improved yield potential (especially in the Brown and Dark Brown soil zones), brings a new level of productivity to Canadian forage producers.

ALSO AVAILABLE:

Forage sorghum, Japanese millet,
Pearl millet and Reed canary grass

AUBADE ANNUAL RYEGRASS

Westerwold ryegrass that continually regrows until fall. Gives quality leafy fodder for both pasture and silage or as a green manure.

MARA PERENNIAL RYEGRASS

Late maturity, palatable dense foliage and winter hardiness for exemplary yield.

FABIO ITALIAN RYEGRASS

FABIO is a tetraploid Italian ryegrass with excellent yields – the total dry matter yield and especially the yield in further cuts.

FLEET MEADOW BROME

High yield and rapid growth and season long forage quality. With a rapid spring start, this variety offers good yield on well drained soils. Very good winter resistance and quick recovery after cutting. Improves forage digestibility by its fineness and leaf volume.

TRAIL BURST ORCHARDGRASS

Trailburst is a mid-maturity high yielding orchardgrass. Its wide leaves and tall plant height deliver trailblazing forage quality, with late maturity that is well adapted for most hay or pasture applications. Trailburst has shown high crude protein content and relative feed value that provides excellent forage quality.

SWAJ SOFT LEAF TALL FESCUE

SWAJ is a highly palatable, endophyte free Tall fescue. It is winter hardy and drought tolerant and because of its soft leaf is highly suitable for both grazing or haying.

FEDORO FESTULOLIUM

FEDORO is a crossing of Festuca pratense and Lolium multiflorum. It is very healthy and shows a low tendency for producing heads. Excellent yield performance.

FOJTAN FESTULOLIUM

Italian ryegrass cross and has exceptional feed quality as well as providing persistence, high yield and fast establishment.

FORAGE CEREALS AND PEAS

FIRST CHOICE FOR IMPROVED FORAGE

NELSON FORAGE OATS

- Oats specially selected for large leaves and excellent forage yield.
- Supercedes other conventional oats for forage production.
- With Optimum mixes, forage oat is the choice for improving forage.



MAXI-SILE

- Blend of 50 % Nelson forage oat and 50% field peas.
- Protein rating higher than forage oats alone.
- Adding peas will help quality even if the harvest is delayed.



SEM-25

- A blend of 25% each of TRADITION barley, MEADOW peas, CANMORE oat and AAC SCOTIA wheat
- For early feed
- Providing good protein and digestibility

CROP MANAGEMENT

- Harvest Forage Oats at boot stage, before the head emerges (50 to 55 days after seeding)
- Weed resistant blend that does not require any herbicides in most cases
- Adjust the height of the cut to maximize forage, this will produce appetizing forage with high nutritional value

SEEDING RATE

Nelson forage oat as cover-crop with alfalfa = 85 kg/ha or 75 lbs/acre

Nelson forage oat alone = 120 kg/ha or 105 lbs/acre

Maxi-Sile as cover-crop = 100 kg/ha or 90 lbs/acre

Maxi-Sile alone = 165 kg/ha or 145 lbs/acre



MIXTURES

Optimum
Mixes

FORAGE SEEDS

OPTIMUM

Mixtures	Composition	Description
OPTI- PRO	90 % Stronghold Alfalfa 10 % Ovation Timothy	Stability, persistence and incomparable performance. Higher percentage of alfalfa to maximize yield.
OPTI- PLUS	40 % Stockpile Alfalfa 40 % Stronghold Alfalfa 20 % Summergraze Timothy	Balance between yield and quality make this blend a must.
OPTI- HY-PRO	80 % Hy-Pro Brand Alfalfa 20 % Ovation Timothy	A blend of Semican Alfalfas varieties providing genetic diversity, proven yields, persistence and good resistance.

OPTIMUM

Mixtures	Composition	Description
OPTI- MILK	75 % Stronghold Alfalfa 25 % Ovation Timothy	A balance of protein and energy for good soils. Can be combined with grass mixtures.
OPTI- HAY	20 % Stronghold Alfalfa 20 % Stockpile Alfalfa 20 % 2010 BR Alfalfa 40 % Ovation Timothy	Mixture of three alfalfas. Perfect for uneven fields and variable soils.
OPTI- CLOVER	55 % Santa Fe D. cut Red Clover 45 % Summergraze Timothy	Ideal for round bales.
OPTI- CANTON	40 % Juliet D. cut Red Clover 5 % California Ladino Clover 55 % Ovation Timothy	A clover timothy mix with a little ladino white clover for persistence.
OPTI- MEADOW	25 % California Ladino Clover 75 % Summergraze Timothy	Multipurpose mixture for silage or pasture.
OPTI- PARK	10 % California Ladino Clover 30 % Bruce Birdfoot Trefoil 60 % Summergraze Timothy	Multipurpose mixture for silage or pasture.

MIXTURES

Optimum
Mixes
FORAGE SEEDS



Mixtures	Composition	Description
OPTI-HORSE (All seeds included in the same bag)	35 % Ovation Timothy 10 % Kentucky Bluegrass 15 % Perennial Ryegrass 10 % White Clover 15 % Meadow Fescue 15 % Benchmark+ Orchardgrass	A mixture for horses that will provide exceptional volume and palatability.
OPTI-PASTURE (Large seed packed separately)	10 % Huia White Clover 5 % Glacier White Clover 25 % Ovation Timothy 21 % Carlton Brome 10,5 % Fleet Meadow Brome 10,5 % AC Admiral Brome 9 % SWAJ Soft leaf tall Fescue 9 % Mara Perennial Ryegrass	A pasture mix for livestock designed to provide a regular quantity of quality feed throughout the season.

MAX MIXTURES



Mixtures	Composition	Description
BROME-MAX	25 % Carlton Smooth Brome 50 % Fleet Meadow Brome 25 % AC Rocket Bromegrass	Ideal for long rotations with the quality of hybrid brome.
FESCUE-MAX	65 % Brome-Max 35 % SWAJ Soft leaf tall Fescue	For a maximum boost in alfalfa at 5-6 lbs/acre.
FORAGE-MAX	70 % Brome-Max 15 % SWAJ Soft leaf tall Fescue 15 % Aubade annual Ryegrass	Assures forage volume when seeded with alfalfa.
HAY-MAX	60 % Brome-Max 20 % Trail Burst Orchardgrass 20 % SWAJ Soft leaf tall Fescue	Impressive leaf volume when used in a regime of intensive cutting.
PASTURE-MAX	65 % Brome-Max 20 % Mara Perennial Ryegrass 15 % SWAJ Soft leaf tall Fescue	Effectively increases the volume of fibre in the ration.
FESTULO-MAX	60 % Brome-Max 40 % Fedoro Festulolium	Assures good forage volume and nutritional value.
RYE-MAX	65 % Brome-Max 35 % Italian Ryegrass Fabio	Maximum palatability with effective fibre.

DIFFERENCES BETWEEN FORAGE SPECIES, GRASSES AND LEGUMES

	Timothy	Bromegrass	Orchardgrass	Tall fescue	Annual Ryegrass	Festulolium
Adaptation	All areas	All areas	All areas	All areas	All areas	All areas
Drainage requirement	Good to excellent Does well on good soil drainage	Very good (tolerance to excess water)	Very good	Poor to very good (tolerance to excess water)	Good to excellent	Good
pH requirement	6.0 to 6.5	6.0 to 6.5	6.0 to 6.5	5.5 to 7.0	5.5 to 7.0	6.0 to 6.5
Hardiness	Excellent	Average to good	Average	Very good	Excellent	Average
Seedling establishment	Moderate, slow and easy	Low and difficult to sow	Fast and easy	Moderate, slow and easy	Fast and easy	Fast
Strength of competition	Good	Good	Very strong	Good	Very strong	Average
Regrowth	Slow and low in summer	Average	Fast	Good in summer, excellent in fall	Fast	Good
Drought resistance	Low	Good to very good	Very good	Very good	Poor	Average
Forage quality	Good palatability, digestibility and protein level lower than bromegrass	Keeping quality with maturity	Protein level and palatability decrease with maturity	Protein level and palatability decrease with maturity	Good palatability	Good palatability
Utilisation	Stored feed	Pasture and stored feed	Pasture and stored feed	Pasture and stored feed	Pasture and stored feed	Stored feed
Number of seeds per lb	1 135 000	135 000	660 000	225 000	230 000	115 000

	Alfalfa	Red clover	Ladino clover	Birdsfoot trefoil
Adaptation	All areas	All areas	All areas	All areas
Drainage requirement	Excellent (branch rooted varieties tolerates poor drainage)	Good Low tolerance to drought	Good to excellent	Excellent in poor drainage
Tolerance to acid soil	Low	Good	Good	Good
pH requirement	6.4 to 7.5	6.0 to 6.5	6.0 to 6.5	5.5 to 6.5
Persistence	4 to 5 years on the good management	Very short (2 years)	Persistent because self seeding and has stolons	Good for long term rotations
Performance	Excellent	Very good	Good to very good	Good
Seedling establishment	Fast	Very quick and easy to establish	Average to fast	Slow
Strength of competition	Slow to establish and strong after the first year	Very aggressive	Very good and aggressive	Weak Does not mix well with competition
Drought resistance	Very resistant on well-drained soil	Weak	Weak (surface roots)	Very resistant
Utilisation	Stored feed	Pasture and stored feed	Pasture	Pasture and stored feed
Number of seeds per lb	230 000	275 000	795 000	370 000



WWW.SEMICAN.CA



HEAD OFFICE

366 Rang 10, Plessisville, QC G6L 2Y2
Telephone: 819 362.8823 | Toll Free: 1 866 736.4226
Fax: 819 362.3385
semican@semican.ca

RESEARCH CENTER

1290 Rd. 116 West, Princeville, QC G6L 4K7
Telephone: 819 364.2001
Fax: 819 364.2500
jdurand@semican.ca

DISTRIBUTION CENTER

50, Industriel Blvd, Suit 200, Princeville, QC G6L 4P2
Toll Free: 1 866 SEMICAN (736.4226)

Contact info: Matt Taylor (Belleville) 613 403-0655 mtaylor@semican.ca
Barry Robinson 705 872-7459 brobinson@semican.ca