**1. Forage & Ranch Fertilizer**

The following are commonly used granular fertilizers in forage and ranch production. Granular fertilizers are available from TerraLink and its dealers in bulk, 1 tonne mini bulk or 25 kg bags. Liquid fertilizer is typically supplied in bulk and commonly only used in the Fraser Valley.

**46-0-0 Urea**
Urea provides the highest percent of nitrogen fertilizer, at 46%. The least expensive form of nitrogen, it is used as an ingredient in blends or for heavy feeding crops.
Density: 48 lbs / ft³  
SKU: 711010

**11-52-0 Mono Ammonium Phosphate (MAP)**
MAP is a simple fertilizer containing nitrogen and a high level of phosphorous. The least expensive form of phosphorus, it is used as an ingredient in blends or as a high P input.
Density: 59 lbs / ft³  
SKU: 711120

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**0-0-62 Muriate of Potash**
Potassium is an essential macronutrient in all crops. Muriate of Potash is also known as potassium chloride, and is used as an ingredient in blending or alone as a high source of available potassium.
Density: 75 lbs / ft³  
SKU: 711215

**0-0-22+22(S)+11Mg Sulphate of Potash Magnesia**
KMag (Sulphate of Potash Magnesia) provides an excellent source of chloride-free potash along with magnesium and sulphur, all vital nutrients in crop production. It has a neutral pH. It is commonly used as an ingredient in many agricultural fertilizer blends, applied on its own to supplement potassium, magnesium and sulphur and as a pre-plant in soils.
Density: 76 lbs / ft³  
SKU: 711240

**0-0-0+90(S) Elemental Sulphur**
This product is ground to a fine powder and then regranulated. Once the prills contact moisture they break apart and begin to react in the soil. The larger surface area of the resultant powder reacts quickly in the soil.
Density: 68 lbs / ft³  
SKU: 711300

**31-10+0+7(S)**
This blend was designed to supply nitrogen, phosphorus and sulphur in forage grass stands, hay or pasture. It is generally used as an initial application, followed by subsequent applications of nitrogen alone.
Density: 57 lbs / ft³  
SKU: 731260

**34-0-0+11(S)**
This blend is used for a variety of cropping situations that require high nitrogen to encourage vegetative growth. Commonly used in forage grass to replace nutrients after each cut. Derived from urea and ammonium sulphate (Note: This is not ammonium nitrate!).
Density: 53 lbs / ft³  
SKU: 712120

**18-18-18+3(S)**
The 1:1:1 ratio works well for many different situations making this a good all purpose fertilizer blend. It contains no micronutrients.
Density: 61 lbs / ft³  
SKU: 712010

**28-10-10+3(S)**
This blend has a combination of nitrogen, phosphorus and potassium and can be used as a general purpose feeding in crops that require an additional nitrogen boost. Often used as a first nitrogen application in spring for forage grass crops.
Density: 57 lbs / ft³  
SKU: 712140

**13-16-10+11(S)**
This has been a standard all purpose blend for many years. It contains a balance of nitrogen, phosphorus and potassium and is used in a large variety of agriculture crops. This blend contains no filler.
Density: 64 lbs / ft³  
SKU: 731207

**9-40-4+7(S)2Mg-.2Zn.1B Corn Starter**
This is our traditional Corn Starter blend. Also suited for crops requiring heavy amounts of phosphorus and additional micronutrients. Usually banded at the time of seeding.
Density: 62 lbs / ft³  
SKU: 712260

**14-28-6+6(S)3Mg.2Zn+.1Mn+.1B Low P Corn Starter**
A lower phosphorus corn starter blend. Suited for soils testing high in phosphorus.
Density: 62 lbs / ft³  
SKU: 731057
26-0-0+1.5(S) Liquid  
This is the standard liquid fertilizer blend used in forage grass stands in the Fraser Valley. It is typically applied following each cut to stimulate further growth for subsequent cuts.  
Density: 4.899 kg / US Gallon  SKU: 1805931

10-34-0 Ammonium Polyphosphate Liquid  
Ammonium Polyphosphate is a simple fertilizer containing nitrogen and a high level of phosphorus. The least expensive form of liquid phosphorus, it is used as an ingredient in liquid blends or alone as a high P input. It is often used as a corn starter in the Fraser Valley.  
Density: 5.307 kg / US gallon  SKU: 180012

10-30-0 +.02B+.05Zn Liquid Planter Blend  
As an alternate to 10-34-0, this mix contains micronutrients that are often in demand in Fraser Valley soils.  
Density: 5.143 kg/US gallon.  SKU: 1800561

21-15-0+3(S) Plus  
A liquid low phosphate planter blend for soils testing higher in P.  
Density: 5.135 kg/US gallon.  SKU: 1803051

2. Crop Protection Products

2,4-D Amine 600  
A liquid phenoxy herbicide for control of broadleaf weeds in rangeland and pastures.  
Active ingredient: 2,4-D  
PCP # 28271  
Sold as 10 L, 2 x 10 L/Case  SKU: 1211410

Aatrex Liquid 480  
This old standby may be applied for control of wild mustard, lamb’s-quarters, redroot pigweed and volunteer clover in corn. It can be used as a pre-plant incorporated, pre-emergence or post-emergence treatment.  
Active ingredient: Atrazine  
Group 5 Herbicide; PCP # 18450  
Sold as 10 L, 2 x 10 L/Case  SKU: 1000350

Accent 75DF  
A post emergent herbicide used against annual grasses and quackgrass in corn.  
Active Ingredient: nicosulfuron  
Group 2 Herbicide; PCP#25116  
Sold as 133.6 g, 10 x (4 x 33.4)g Solubags/Case  SKU: 1000390

Agral 90  
A non ionic liquid surfactant used to enhance the effectiveness of pesticides.  
Active Ingredient: nonylphenoxy polyethoxy ethanol  
PCP#11809  
Sold as 10 L, 2 x 10 L/Case  SKU: 1000830

Amitrol 240  
A pre-plant foliar applied herbicide used against annual and broadleaf weeds, dandelion, quackgrass, horsetail and thistle. Use in non-crop situations.  
Active Ingredient: amitrol  
Group 11 Herbicide; PCP#25684  
Sold as 10 L, 2 x 10 L/Case  SKU: 1001820

Banvel II 480  
A post emergent systemic herbicide used against broadleaf weeds in forage corn, pastures, rangeland grasses and crop-free land (summer fallow & stubble).  
Active Ingredient: dicamba  
Group 4 Herbicide; PCP#23957  
Sold as 10 L, 2 x 10 L/Case  SKU: 1003190

Credit 45  
A non-selective and non-residual herbicide. Credit 45 has a built-in surfactant and will control annual and perennial weeds. Credit 45 is rainfast in one hour. It’s higher concentration means less product is used per acre. Use 20% less product than with a 356g/l formulation.  
Active Ingredient: glyphosate 450 g/litre  
Group 9 Herbicide; PCP#29371  
Sold as 9.5 L, 2 x 9.5 L/Case  SKU: 1103418

Dual II Magnum  
A selective herbicide used to control various annual grasses, broadleaf weeds and nightshade in corn crops.  
Active Ingredient: S-metachlor  
Group 15 Herbicide; PCP#25729  
Sold as 14 L/case  SKU: 1200200

Force 3G  
A soil applied insecticide for the control of wireworms and seed corn maggots in field corn.  
Active Ingredient: tefluthrin  
Group 3 Insecticide; PCP#23917  
Sold as 20 kg  SKU: 1101650

Garlon XRT  
Controls woody plants, annual and perennial broad-leaved weeds in pastures, rangeland and non-crop areas.  
Active Ingredient: triclopyr  
PCP# 28945  
Sold as 10 L, 2 x 10 L/Case  SKU: 1102413

Impact  
Provides selective control of grasses and broadleaf weeds in field corn and sweet corn.  
Active Ingredient: topramezone  
PCP# 28141  
Sold as 600 grams, 4 x 600 grams/Case  SKU: 1103290

Integrity  
Controls barnyard grass, eastern black nightshade, foxtail, lamb’s quarters, redroot pigweed, wild mustard and other weeds in field corn and sweet corn.  
Active Ingredient: saflufenacil and dimethenamid-P  
PCP# 29371  
Sold as 9.5 L, 2 x 9.5 L/Case  SKU: 1103418

MCPA 500 Amine  
A herbicide for the control of many listed broadleaf weeds in forage and non crop lands.  
Active Ingredient: MCPA  
Group 4 Herbicide; PCP#49516  
Sold as 10 L, 2 x 10 L / case  SKU: 1108000

Primextra II Magnum  
A pre-emergent corn herbicide used to control various weeds such as crabgrass, barnyard grass, foxtail, witchgrass, fall panicum, lady’s thumb, yellow nutsedge, eastern black nightshade, wild mustard, purslane, prostrate pigweed, buckwheat, smartweed, ragweed, redroot pigweed and lamb’s quarters.  
Active Ingredient: S-metachlor and atrazine  
Group 5 & 15 Herbicide; PCP #25730  
Sold as 14 L/case  SKU: 1200200

Prowl H 2O  
Prowl H 20 provides residual control of annual grasses and select broadleaf weeds. The unique water-based formulation reduces equipment staining and has less odour than original
Prowl. Apply in field corn before weeds or crop emerges. Not registered for use in sweet corn.
Active ingredient: pendimethalin
Group 3 Herbicide; PCP#29542
Available as 9.5 L, Case: 2 x 9.5 L SKU: 1200420

Refine SG
A broadleaf weed herbicide for seedling and established tall fescue, orchard grass and wheatgrass for forage production. Controls/suppresses 21 broadleaf weeds. Rainfast in one hour and leaves no soil residue.
Active Ingredients: thifensulfuron methyl and tribenuron methyl
Group 2 Herbicide; PCP#28285
Sold as 8 x 480 grams/Case SKU: 1201050

Sword
A post-emergent herbicide for control of broadleaf weeds in forage grass stands.
Active Ingredient: MCPA, mecoprop, dicamba
Group 4 Herbicide; PCP#27892
Sold as 10 L, 2 x 10 L/Case SKU: 1206300

Vantage Plus Max II
A non-selective and non-residual herbicide. Vantage Plus Max II will control annual and perennial weeds. This herbicide can be used on bare fields, non-crop land, pasture renovation and field crops. It can be used in glyphosate tolerant corn.
Group 9 herbicide; PCP#28840
Sold as 10 L, 2 x 10 L/Case SKU: 1209060

2.1 Rodenticides
Used both around and inside the barns and bunkers to prevent build-up of rats and mice. Remember always to place baits either in tamper-resistant bait stations or in locations not accessible to children or pets.

Hombre Pellets
A rat/mouse bait that is sold as bulk pellets in a pail. Hombre can be used to control Norway rats, roof rats and house mice. Single feed formulation.
Active Ingredient: defethialone; PCP #26575
Sold as 10 kg SKU: 1200850

Hombre All Weather Blocks
A rat/mouse bait that is formulated as “all weather blocks”. Hombre can be used to control Norway rats, roof rats, house mice and warfarin resistant house mice. Single feed formulation.
Active Ingredient: defethialone; PCP #26685
Sold as 5 kg or 10 kg SKU: 1200880

Hombre All Weather Blocks
A rat/mouse bait that is formulated as “all weather blocks”. Hombre can be used to control Norway rats, roof rats, house mice and warfarin resistant house mice. Single feed formulation.
Active Ingredient: defethialone; PCP #26685
Sold as 5 kg or 10 kg SKU: 1200880

3. Forage Seed Mixtures

Ratak Pellets
For indoor use only. A rat and mouse bait sold as pellets packaged into place packs. For control of Norway and roof rats as well as house mice.
Active Ingredient: brodifacoum; PCP #16064
Sold in box of 8 x 50 g SKU: 1201005

3.2 COASTAL FORAGE MIXTURES (for Intensive Production)

Orchardgrass Blend (Coastal)
An orchardgrass mixture designed for intensive hay, silage, and grazing situations.
• Proper Orchardgrass
• Potomac Orchardgrass
• Amba Orchardgrass
• Westerwold-type Ryegrass
Seeding Rate: 35 lbs/acre.
20 kg bag SKU: 2200000

General Pasture with Clover (Coastal/Interior)
The same mix as General Pasture, but with the added benefits of white clover.
• Orchardgrass
• Kentaur Perennial Ryegrass
• Annual Ryegrass
• Tall Fescue
• Timothy
• Creeping Red Fescue
Seeding Rate: 35 lbs/acre
20 kg bag SKU: 2200300

General Pasture (Coastal/Interior)
For well-drained soils where high quality seed is required but improved varieties are not essential.
• Orchardgrass
• Kentaur Perennial Ryegrass
• Annual Ryegrass
• Tall Fescue
• Timothy
• Creeping Red Fescue
Seeding Rate: 35 lbs/acre
20 kg bag SKU: 2200310

Horse & Sheep Pasture (Coastal/Interior)
Specially formulated for the Coastal & Interior areas to give hay or form sod without legumes as required by horses.
• Festulolium
• Bronson* Tall Fescue
• Kentucky Bluegrass
• Creeping Red Fescue
• Proper Orchardgrass
• Perennial Ryegrass
• Alma Timothy
• Tuukka Timothy
Seeding Rate: 25 lbs/acre.
20 kg bag SKU: 2200750

*Registration Pending.

Wetland Pasture (Coastal/Interior)
Designed for extremely water-logged soils such as those which are flooded for extended periods of time in the spring.
• Carlton Smooth Bromegrass
• Reed Canarygrass
• Single Cut Red Clover
• Barolex Tall Fescue
• Climax Timothy
Seeding Rate: 25 lbs/acre.
20 kg bag SKU: 2200800

Richardson Seed forage blends do not contain endophyte-enhanced grasses.

3.1 PASTURE MIXES

General Pasture (Coastal/Interior)
For well-drained soils where high quality seed is required but improved varieties are not essential.
• Orchardgrass
• Kentaur Perennial Ryegrass
• Annual Ryegrass
• Tall Fescue
• Timothy
• Creeping Red Fescue
Seeding Rate: 35 lbs/acre
20 kg bag SKU: 2200300

Orchardgrass / Tall Fescue (Coastal)
Orchardgrass / Tall Fescue Mix is designed for intensive hay, silage, and grazing situations. This blend contains improved orchardgrass, along with two premium tall fescue varieties. The mixture is a medium maturing, highly productive forage blend.
• Proper Orchardgrass
• Amba Orchardgrass
• Bronson* Tall Fescue
• Barolex Tall Fescue
Seeding Rate: 35 lbs/acre.
20 kg bag SKU: 2200020

Premium Tall Fescue (Coastal)
A blend of improved varieties well suited to the Coastal area. It is best seeded on fields with good weed control as tall fescue does not compete well during establishment. Provides

Horse & Sheep Pasture (Coastal/Interior)
excellent yields for silage and hay production in a wide range of soil conditions.
- Barolex Tall Fescue
- Bronson* Tall Fescue
- Select Tall Fescue

Seeding Rate: 35 lbs/acre.
20 kg bag SKU: 2200100

**Premium Ryegrass (Coastal)**
A complex ryegrass mixture for high feed quality and productivity. It is suited for moist lowland conditions and intensive grazing.
- Elgon Tetraploid Perennial Ryegrass
- Diploid Perennial Ryegrass
- Tetraploid Annual Ryegrass
- Tuukka Timothy

Seeding Rate: 35 lbs/acre.
20 kg bag SKU: 2200050

**Southern Interior Dryland (Interior)**
Designed for non-irrigated pasture or hay field applications in the southern regions of the BC Interior.
- Annual Ryegrass
- Fleet Meadow Bromegrass
- Bronson* Tall Fescue
- Kirk Crested Wheatgrass
- Tuukka Timothy
- Creeping Red Fescue

Seeding Rate: 25 lbs/acre.
20 kg bag SKU: 2200650

**Western Interior Hay (Interior)**
A productive blend of three improved alfalfa varieties along with two orchardgrass cultivars. Suitable for high production hayland and rangeland pasture use.
- Algonquin Alfalfa
- Improved Alfalfa
- WL 354 Alfalfa
- Kayak Orchardgrass
- Dryland Orchardgrass

Seeding Rate: 20 lbs/acre.
20 kg bag SKU: 2200500

*Registration Pending

**Barolex Tall Fescue**
With quick establishment, soft leaves, high palatability and high DM-yields, Barolex is an exciting newer tall fescue with great potential. It has a very dense sod with leaf quality almost the same as perennial ryegrass. Barolex is medium-late in maturity.
22.7 kg bag SKU: 2004420

**Bronson**
Bronson exhibits the toughness that you have come to expect in a forage tall fescue, but with softer leaves than many varieties. Bronson withstands tough growing conditions. Bronson makes great feed, and can be fed with confidence to all of your animals. (*Registration Pending)
22.7 kg bag SKU: 2004495

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4. Forage Species and Varieties

4.1 TALL FESCUE VARIETIES

**BAROLEX**

**BRONSON**
4.2 ORCHARDGRASS

VARIEIES

DRYLAND
Dryland type has a very low crown and dense, prostrate growth habit. This allows it to be grazed to near ground level, ideal for sheep and horse grazing. Long, soft leaves make it highly palatable. It produces a very thick and dense stand, which helps it to outcompete many invasive weeds. It has excellent digestibility and good feed value.
22.7 kg bag SKU: 2006670

AMBA
Amba establishes well and has strong growth right from the start. It has proven digestibility on the level of the more late varieties. This is unique for an early variety. Amba has proven to have a very good winterhardiness. Also the tolerance of late season frosts in the spring is very good. Amba is tall growing and fits well in mixtures with early tall growing grasses as well as red clover. When the first cut is taken at the right time before heading, no stems will be produced in the aftermath.
22.7 kg bag SKU: 2006550

PROPER
Proper Orchardgrass is a late-maturing orchardgrass bred primarily for forage production. This means, farmers should see very impressive dry matter production resulting in increase profits. Proper exhibits excellent rust resistance, making it more favourable to animals for grazing and hay production. Proper also demonstrates excellent stand persistence. Seed 20-30 lbs per acre for 100% Proper pastures.
22.7 kg bag SKU: 2006670

4.3 PERENNIAL RYEGRASS

VARIEIES

Perennial ryegrass is a bunchgrass with a shallow, fibrous root system. It is considered a wetland grass and has a very high requirement for moisture but will not tolerate ponding. Perennial Ryegrass has good seedling vigour, rapid development, high yields, and good forage quality. Milk production and weight gains are higher from perennial ryegrass than from other forage grasses.

KENTAUR
Kentaur is the ideal cutting/conservation cultivar. It provides very high dry matter yield when used for conservation as hay or silage or when used as green forage - 116% of the 4n standard in the first cut for better economy. The quality is top level with all the benefits of a tetraploid such as easy silage, thanks to the higher sugar content and better quality of subsequent cuts compared to diploids.
22.7 kg bag SKU: 2008590

4.4 TIMOTHY VARIETIES

TUUKKA
Tuukka was selected with the serious forage producer in mind. It has superior ratings on a percentage of leaf-to-stem ratio, and has the most desired trait of quick re-growth. It will provide season-long production of nutritious forage even in the second, third and fourth cuttings when the alfalfa growth is not so overwhelming. Tuukka is recommended for hay, grazing, silage or green chop (direct feeding). When mixed with alfalfa or clovers, Tuukka provides a long lasting companion that will enhance the quality of the cow’s diet. When seeded alone or with other grasses, it provides excellent season-long forage.
22.7 kg bag SKU: 2009150

4.5 ALFALFA VARIETIES

WL 319 HQ
Proven in University and regional tests, WL 319 HQ consistently delivers exceptional yields and outstanding feed value. When fed to dairy or beef cattle, WL 319 HQ easily beats the competition in head-to-head comparisons for palatability, digestibility, and overall profitability. WL 319 HQ has a “perfect” disease resistance index (DRI) of 30/30 and strong resistance to insects and nematodes.
22.7 kg bag SKU: 200090

WL 354HQ
Outstanding yield potential and exceptional forage quality on your toughest soils makes WL 354HQ the alfalfa variety of choice for dairy, beef and cash hay producers looking to significantly reduce the impact of root disease on seedling establishment and stand life. WL 354HQ’s unique wet soil disease resistance package demonstrates significant on-farm benefits in stand establishment, persistence, and forage yield. It has a perfect Disease Resistance Index (DRI) of 35/35. WL 354HQ is very high-yielding under 3- to 5-cut harvest managements and produces big yields across a wide range of soil types. Its excellent feed value and superior digestibility provides more milk or beef and greater profitability when fed. WL 354HQ is very winterhardy; it delivers long stand life under even the toughest weather conditions. It’s fast recovery after cutting and superior standability encourages intensive harvest management. WL 354HQ alfalfa is dark green, fine-stemmed, highly palatable and later maturing.
22.7 kg bag SKU: 200330

ALGONQUIN
Algonquin demonstrates good winterhardiness and resistance to bacterial wilt. It has good seedling vigour and recovery after cutting.
25 kg bag SKU: 200020

LEXUS
Tall, leafy plants with an upright, uniform growth habit. Medium dark green foliate. 52% multifoliate expression. A full season variety for the aggressive forage producer. Medium early maturity to late bud harvest stage. Very fast recovery after harvest. Strong persistence into the later hay years. No known soil type limitations.
25 kg bag SKU: 200330

SOLSTICE
Alfalfa for the aggressive alfalfa manager to maximize each season’s harvestable yield. Solstice is a synthetic variety developed from the crossing of fast growing, tall European alfalfas onto elite fall dormancy North American screened plants for persistence, high yield and forage quality. Adapted to mixtures containing early maturing, cool season grasses. No known soil type or management limitations.
25 kg bag SKU: 200340

5. Corn Seed

DOW SEEDS™ CORN HYBRIDS

Both Hyland and Mycogen silage corn variety product lines are now marketed under the brand Dow Seeds™. Choose varieties of the heat units that suit your area. Get the best of both - the high palatability of the “old” Hyland line and the high digestibility of the “old” Mycogen line.
HLR 219 Field Corn
Excellent yield potential. Semi-upright leaves, husk slightly open. Very good grain content. Tall plant, averaging 10-11 feet. Very good yields, as much as 30 tonnes/acre fresh weight.
Approximate heat units: 2400 CHU
Plant height: Medium
Size: 80,000 Seeds/ Bag SKU: 2507155

HLRS 35 Field Corn
A high tonnage, robust plant type with broad leaves. HLRS produces a high weight of milk on a per acre basis.
Approximate heat units: 2500-2750 CHU
Plant height: Tall
Size: 80,000 Seeds/Bag SKU: 2401170

HL 3085 Field Corn
Good standability and stalk quality. Excellent ear consistency and attractive grain with very good test weight.
Approximate heat units: 2400 CHU
Size: 80,000 Seeds /Bag SKU: 2509020

HL 3093 Field Corn
Very good early vigour. HL 3093 is broadly adapted and delivers consistent performance across variable environments. Excellent dual purpose hybrid that is well suited to very early maturity environments. HL 3093 responds to aggressive plant densities in suitable environments.
Approximate heat units: 2350 CHU
Size: 80,000 Seeds/Bag SKU: 2509030

F2F298 Field Corn
Excellent standability and good stress tolerance. Use as a full-season hybrid on moderate-to higher-fertility soils.
Approximate heat units: 2500 CHU
Plant height: Medium-Tall
Size: 80,000 Seeds/ Bag SKU: 2522000

F2F343 Field Corn
Hercules® Insect Protection with glyphosate and glufosinate herbicide technologies. Excellent tonnage and NDF digestibility. Strong agronomics and good stress tolerance. Excellent ear development and ear fill.
Approximate heat units: 2700 CHU
Plant height: Medium-Tall
Size: 80,000 Seeds/ Bag SKU: 2522000

Phosphorus Saturation Index (PSI):
This test gives you a measure of your soil P accumulation and the potential for P loss by leaching and erosion. PSI is determined in a calculation that requires Aluminum, which has been added to the list of test packages offered at TerraLink's Plant Science Lab. When the calculation result exceeds 25%, this indicates high soil P solubility and therefore high risk of leaching loss of phosphorus.
Test Package SKU: 9036708

Carbon to Nitrogen Ratio (C:N):
Availability of nitrogen depends to some degree on the ratio of carbon to nitrogen in your soil. Microbes whose business it is to decompose organic material use lots of nitrogen in that process. As a result, more nitrogen must be applied to feed the plants so they don't become nitrogen-starved. When the C:N ratio is 15:1 or less, the soil will typically be in balance, and about 10 – 25 lbs N/acre will typically be released for every 1% OM. When the C:N ratio is between 15:1 and 30:1, immobilization will balance mineralization. When the C:N ratio is greater than 30:1, microbes will be consuming a lot of N, and more nitrogen fertilizer will be necessary.
Test Package SKU: 9036625

6. Plant Science Lab Services

Following is a selection of lab services typically used by forage and ranch producers. For a full list of all the testing services offered, download the Plant Sciences flyer from the TerraLink website.

Basic Soil Test:
pH (in water), EC, N, P, K, S, Cl, OM and moisture content.
Our basic test package is used for interim testing in between thorough looks at soil chemistry. Commonly used on dairy farms for grass stands or corn.
Test Package SKU: 9036610

Standard Soil Test:
All the features of the Basic Test plus Mg, Ca and base saturation. This is important to provide insight into the activity of soil chemistry as it relates to the positively charged ions (cations).
Test Package SKU: 9036621

Detailed Soil Test:
All the features of the Standard Soil Test plus sodium, boron, iron, manganese, copper and zinc. A look at the metals helps give insight into troubled soils, or if the soil has not been tested for many years it is a good idea to have an overall and complete survey of all the nutrients.
Test Package SKU: 9036620

Pre-Sidedress Nitrate Test (PSNT):
The PSNT tells you how much nitrate is available in the soil for uptake by your corn and how much may need to be sidedressed to achieve top yields. The PSNT is fast; results may be returned to you in 2 working days. Sidedress nitrogen recommendations are based on the PSNT test values, found in the chart below.
Test Package SKU: 9036622

7. Spreading & Rental Services

NOTE: TerraLink's spreading and rental services are available only in the Fraser Valley.

Carbon to Nitrogen Ratio (C:N):
Availability of nitrogen depends to some degree on the ratio of carbon to nitrogen in your soil. Microbes whose business it is to decompose organic material use lots of nitrogen in that process. As a result, more nitrogen must be applied to feed the plants so they don't become nitrogen-starved. When the C:N ratio is 15:1 or less, the soil will typically be in balance, and about 10 – 25 lbs N/acre will typically be released for every 1% OM. When the C:N ratio is between 15:1 and 30:1, immobilization will balance mineralization. When the C:N ratio is greater than 30:1, microbes will be consuming a lot of N, and more nitrogen fertilizer will be necessary.
Test Package SKU: 9036625
more consistency in crop growth and development. For more information download the flyer on bulk limestone spreading from the TerraLink website.

**Bulk Granular Fertilizer Spreading:**
We spread at any location in the Fraser Valley provided the fields are disced flat. Bulk granular fertilizer is spread on farmland using TerraLink's TerraGators, equipped with floatation tires that minimize soil compaction. Since the same TerraGators are used also for limestone, they are equipped with a GPS guidance system and software, which results in a high level of precision and efficiency. For more information download the flyer on bulk granular fertilizer spreading from the TerraLink website.

**Power Bins:**
Power bins are also used for limestone, they are equipped with a GPS guidance system and software, which results in a high level of precision and efficiency. For more information download the flyer on our Rentals Program from the TerraLink website.

**Rental Equipment:**
TerraLink operates a rental program of fertilizer-handling equipment in support of agricultural producers in the Fraser Valley. A different variety of types of equipment is kept at the Abbotsford and Delta locations depending on the diversity of agricultural farming operations in each area. For more information download the flyer on our Rentals Program from the TerraLink website.

**Pull-type Spreaders:**
Tandem axle broadcast spreaders are useful if you wish to spread your own fertilizer. Set the application rate by adjusting the gate above the spinners and away you go.

### 8. Specialty Products

**Avail® Phosphorus Enhancer**
Avail® is a water-soluble additive for granular or liquid phosphorus fertilizer that enables phosphate to remain free in the soil, providing opportunity for greater plant uptake with minimal costs. Avail® is the only phosphorus fertilizer enhancement of its kind. It is cheaper to use Avail® than not to use it. Ask for Avail® treated phosphorus when you place your order for fertilizer.

**Selcote Ultra®**
Selenium combats health issues in stock animals such as White Muscle Disease, improves embryo retention, disease response and antibody production, and maximizes sperm production and mobility. Selcote Ultra® granules are engineered in a combination of both slow release and fast release selenium. It is meant to be mixed with granular fertilizer and thereby spread onto forage and pasturelands. It is taken up by the crop, and ingested naturally by stock in their feed. This is the best natural method to increase blood selenium levels in dairy cattle and sheep. Test your soil and stock blood levels of Se prior to application. Ask for Selcote Ultra® treated granular fertilizer when you place your order.

**ESN® Slow Release Nitrogen**
Finally, a slow release nitrogen product priced for the agricultural market. ESN®, or “Environmentally Smart Nitrogen” is a urea granule coated with polyurethane; a polymer coat. It is engineered to allow water to diffuse into the granule, dissolving the N within. Release of N to the outside of the granule is driven by temperature and moisture. The benefit of ESN® is because of the longer release, nitrogen becomes available more suited to when your crop needs it. The result is less loss of nitrogen by leaching and volatilization. Also, fewer applications are required, which means savings on fuel and less soil compaction. Make sure to ask for ESN® nitrogen in your fertilizer order.

**Wolf Trax® Innovative Micronutrients**
Proven scientifically, registered with the CFIA, Wolf Trax Innovative Micronutrients improve how plants access and take up micronutrients. With Wolf Trax, micronutrients are on every single granule of all the fertilizer placed in the soil. This improved efficiency means there is no chance of valuable micronutrients not being available to your crop. It works every time, all the time. Wolf Trax®, Right Place. Right Time.

### 9. TerraLink BunkFresh Products

**Avail® Phosphorus Enhancer**
Avail® is a water-soluble additive for granular or liquid phosphorus fertilizer that enables phosphate to remain free in the soil, providing opportunity for greater plant uptake with minimal costs. Avail® is the only phosphorus fertilizer enhancement of its kind. It is cheaper to use Avail® than not to use it. Ask for Avail® treated phosphorus when you place your order for fertilizer.

**Selcote Ultra®**
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**Stabilized Nitrogen**
Improved nitrogen efficiency is possible by using stabilized nitrogen. Unlike slow release nitrogen, stabilized nitrogen delays the nitrogen cycle in the soil at key points. The result is less nitrogen is lost to the atmosphere through ammonia volatilization, as well as nitrate leaching. What does this mean to you? Less of your valuable fertilizer nitrogen (in other words, your money) is lost to the environment, and more is available to your crop. Less nitrogen lost to the environment means less chance of run-off and/or aquifer pollution, too. Ask TerraLink about using stabilized nitrogen in your fertilizer order this spring – and save money!

**9.1 BunkFresh Barn and Manure Additives**

**Freshstall®**
Freshstall® is a unique blend of ingredients that are designed to reduce ammonia emissions and help aerobically break down the litter. It can replace hydrated lime in calf pens, comfort stalls and maternity pens. The unique, non-caustic chemical nature of Freshstall® helps absorb moisture and urine in the bedding, thereby improving the barn environment. It is also a good soil conditioner and can be safely spread onto the land.

20 kg bag SKU: 7112313

**Penergetic Products**
Use Penergetic in your manure lagoon to help dissolve the thick crust that can form. Penergetic stimulates the more complete breakdown of slurry by decomposition. Produces homogeneous and free flowing slurry that is easier to handle and spread. Prevents the loss of ammonium nitrogen from slurry. No chemical ingredients, and environmentally friendly.

**9.2 BunkFresh Animal Health Products:**

**SaniDate 5.0**
A mix of hydrogen peroxide & peroxyacetic acid, SaniDate 5.0 is for the sanitization and disinfection of hard, non-porous
surfaces in dairy farms. It can be used on hard, non-porous surfaces such as floors, walkways, walls, tables, sinks, racks, trucks, conveyors, and fan blades. SaniDate 5.0 controls labeled bacteria and fungi.

**Active Ingredient:** hydrogen peroxide & peroxyacetic acid.

**DIN #02354594.**

**Sold as 5 US gallon jug SKU:** 3425140

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**Agita 1GB Fly Bait**

Agita is a new fly bait formula containing a house fly sex attractant which encourages both male and female house flies to remain in the treated areas, thereby feeding on the bait. Bait should be scattered once per day over fly feeding areas and places where flies are known to congregate to provide initial knockdown and reduction of house fly populations. Bait may also be used in hanging or stationary tamper-resistant bait boxes in locations not accessible to children, pets, domestic animals or wildlife. Use one bait station for every 10 square metres of floor space.

**Sold as 1 kg jar SKU:** 1000700

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**BunkFresh Bunker Cover Tarps**

Made of thick woven poly, these covers will add an extra layer of protection to your bunker plastic. Prevent loss of feed with this U.V. stabilized product. Two sizes available:

- Bunker Cover/Tarp 20’ x 25’ SKU: 3773210
- Bunker Cover/Tarp 30’ x 35’ SKU: 3773220
- Bunker Cover/Tarp 40’ x 45’ SKU: 3773230
- Bunker Cover/Tarp 50’ x 55’ SKU: 3773240

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**BunkFresh 02 Barrier Film**

Oxygen barrier designed to improve freshness in silage by reducing oxygen penetration. Features co-extruded 5 layer blown film.

- 23’ x 164’ clear SKU: 3773250
- 33’ x 164’ clear SKU: 3773260
- 43’ x 164’ clear SKU: 3773270
- 53’ x 164’ clear SKU: 3773280

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**BunkFresh Silage Bale Wrap**

TerraLink is stocking Benepak silage bale wrap. It is a multi-layered, co-extruded quality film with superior stretch characteristics. Benepak silage wrap has high tear and puncture resistance. It has a high adhesive strength for perfectly sealed bale wrapping and optimal silage quality. This silage wrap is manufactured with UV stabilizers that provide 12 months of UV radiation protection. It is available in white or green and can be used for round or square bales.

- Green, 30”  75 cm x 1,500 M SKU: 3774200
- White, 30”  75 cm x 1,500 M SKU: 3774100

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**BunkFresh Silage Bale Net**

TerraLink Silage Bale Net is designed for standard bale wrapping where nets are required prior to bale wrap application.

- 48” x 9,842’ SKU: 3774300

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**BunkFresh Agri-Plastics**

**BunkFresh Bunker Plastic**

We now have 4 sizes of 6 mil bunker plastic covers to cover any size of bunker.

- Bunker Plastic 40’ x 100’ (6 mil B/W) SKU: 3774185
- Bunker Plastic 40’ x 150’ (6 mil B/W) SKU: 3774820
- Bunker Plastic 50’ x 150’ (6 mil B/W) SKU: 3774830
- Bunker Plastic 120’ x 200’ (6 mil B/W) SKU: 3774840