

# Forage Advisor

TerraLink Horticulture Inc.

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Only At TerraLink

## New in Nutrient Technology

TerraLink now has the ability to supply fertilizer to forage producers that contains homogenous micronutrients. Previously, each micronutrient had to be independently blended into fertilizers during the mixing process at TerraLink. For example, if both boron and zinc were required in a corn starter fertilizer mix, they could only be added one at a time during blending. Micronutrients including B and Zn are required by plants in very tiny amounts, and when the fertilizer blend was applied to the corn field, naturally the best that could be expected was for particles of boron and zinc to be distributed infrequently, albeit consistently, along the corn rows. This is because the vast majority of most fertilizers are typically made up of particles of the major nutrients nitrogen, phosphorus and potash.

Now, TerraLink can apply B, Zn or any other micronutrients directly onto the granules of N, P and K in the fertilizer blend. This means several things:

- First, micronutrients can now be distributed all along the band of application, because there are micronutrients attached consistently to every granule.
- Micronutrients are much more available to the roots of the plants, leading to the opportunity for better, more uniform uptake, yield and quality. This process provides up to 50 times the interception points for roots to access micronutrients, compared to the previous method with granular micronutrients.
- Because of the above two points, less micronutrients are now necessary to add to your blend, due to the increased availability of micronutrients to the crop from more efficient distribution in the root zone.

Although new to BC through TerraLink Horticulture, this is an established process and product line elsewhere in North America and worldwide. It is not new, and it works. Also, this product has been approved by the CFIA. Call TerraLink today to order your fertilizer with homogenous micronutrients and take advantage of this new technology.

What's New in Weed Control

## Impact Herbicide for Corn

This new post emergence Group 27 herbicide was registered in 2012 but arrived too late to be useful. It is available for control of broadleaf and grassy weeds in corn. The active ingredient, topramezone, affects a plant enzyme known as HPPD, which interferes with photosynthesis and other plant functions. It will control or suppress all major weeds, including barnyard grass, pigweed, lambsquarters, shephardspurse and mustard family. It is meant to be tank-mixed with atrazine and can also be mixed with glyphosate in Roundup Ready production systems.

For Your Information:

## Important Changes to The Fertilizer Act

You may have heard of the upcoming changes to the Fertilizer Act:

Until now, the Fertilizer Act & Regulations required nutrients to be safe for human use, safe for the environment, and efficacious. Suppliers of registered

nutrient products had to give scientific proof to the Government (the Canadian Food Inspection Agency or CFIA) that, besides being safe, nutrient products had to actually work. Buying a product registered in Canada meant buying a product that was proven to work as described. Now, this all will change. Starting on April 1st 2013, our legislation to how fertilizer registrations will be similar to how are handled in the US: There, suppliers don't have to prove their products work (ie: are efficacious).

**What does this mean to you?**

From April 1 onwards there could be a vastly increased number of unproven products on the market. We believe this means a lot of new suppliers will show up, peddling you a lot of new products with ridiculous and unrealistic claims. You won't be able to depend on the CFIA protecting you from being exposed to these products.

**How to you protect yourself?**

Take our advice – stick to companies that have been around a long time in your community. Stick to those companies and their employees, who have proven to you again and again that they have never peddled garbage at you, but real science. Trust companies that are rooted in your community, and who know they can only succeed when you do.

Nutrient Efficiency

## Enhancing Nutrients

Nutrients are expensive. Give them every chance to perform for you. Here are some additives that help you get the job done with less worry:

**Avail® Phosphorus Enhancer**

A water-soluble additive for fertilizer that enables phosphate to remain free in the soil, Avail® provides

*Rooted in your community.*

**TerraLink**

the opportunity for greater plant uptake with minimal costs. It is cheaper to use Avail® than not to use it. Ask for it when you place your fertilizer order.



#### Selcote Ultra®

### SELCOTE ULTRA

As we know, selenium combats health issues in stock animals. 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.

#### Agrotain Urease Inhibitor



Agrotain works by inhibiting the action of urease, an enzyme that facilitates the breakdown of urea in soil to ammonium. If ammonium nitrogen is not taken up by plants it can be lost to the atmosphere as ammonia. Agrotain slows this process, resulting in less being volatilized and more going to your crop. Ask for Agrotain treatment when you order your spring and summer fertilizer.

#### ESN Slow Release Nitrogen



ESN is a urea granule coated with polyurethane. It is engineered to allow water to diffuse into the granule, dissolving the N within. 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.

#### Richardson Seed

### Forage Seed Mixtures

Richardson Seed has a complete line of seed mixtures for the



forage industry. Below are the mixes most commonly grown by producers. See our website ([www.thort.com](http://www.thort.com)) for more choices and more information, or contact us to inquire about custom mixes.

#### General Pasture

For well-drained soils where high quality seed is required but improved varieties are not essential. Seeding Rate: 35 lbs/acre. Mix contains Orchardgrass, Norlea Perennial Ryegrass, Annual Ryegrass, Tall Fescue, Timothy, Creeping Red Fescue.



#### Premium Orchardgrass CMV-R

A premium orchardgrass blend for applications requiring CMV-resistant, high-yielding, top quality forage production. Seeding Rate: 35 lbs/acre. Mix contains AC Cheam Orchardgrass and AC Chilliwack Orchardgrass.

#### Premium Orchardgrass CMV-R/ Tall Fescue

A superior forage seed mixture for applications requiring CMV resistance, high yields, and top-quality forage. Seeding Rate: 35 lbs/acre. Mix contains AC Cheam Orchardgrass, AC Chilliwack Orchardgrass, Barolex Tall Fescue and Bronson\* Tall Fescue.

#### Premium Tall Fescue

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 excellent yields for silage and hay production in a wide range of soil conditions. Seeding Rate: 35 lbs/acre. Mix contains Barolex Tall Fescue, Bronson\* Tall Fescue and Seine Tall Fescue.

#### Premium Ryegrass

A complex ryegrass mixture that can give high feed quality and productivity. It is suited for moist lowland conditions and intensive grazing. Seeding Rate: 35 lbs/acre. Mix contains Aubisque Tetraploid Perennial Ryegrass, Norlea Diploid Perennial Ryegrass, Tetraploid Annual Ryegrass and Tuukka Timothy.

#### Hay Baler

Hay Baler Forage Seed Mixture is a high-performance forage blend designed for high-quality hay production. Included in this mixture is a small percentage of annual ryegrass to act as a nurse crop for initial weed control purposes. Seeding Rate: 35 lbs/acre. Mix contains Orchardgrass, Barolex Tall Fescue, Tuukka Timothy and Annual Ryegrass.

#### Southern Interior Dryland

Designed for non-irrigated pasture or hay field applications in the southern regions of the BC Interior.

Seeding Rate: 25 lbs/acre. Mix contains Baridana Orchardgrass, Orchardgrass (Dryland), Creeping Red Fescue, Kirk Crested Wheatgrass, Slender Wheatgrass, Annual Ryegrass and Creeping Rooted Alfalfa.

#### Premium Alfalfa

This mixture is comprised of three WL Alfalfa varieties. WL Alfalfas are some of the highest quality, highest yielding alfalfas in the marketplace. Seeding Rate: 20 lbs/acre. Mix contains WL 319 HQ Alfalfa, WL 348 AP Alfalfa and WL 343 HQ Alfalfa.

\*Registration Pending.

#### Crop Protection

### Weed Control in Field Corn

The first step in planning your weed control strategy in silage corn is to know the six major weeds that like to live in your field. If your local sales rep can't help you, bring in examples of the most common weeds, roots and all, and we will do our best to identify them at our Abbotsford office.

#### Glyphosate-Tolerant Corn

Apply Touchdown Total at the 1-4 leaf stage of the corn to prevent yield-robbing competition from early weeds, and then apply a second application of Touchdown Total before the 8 leaf stage.

#### Tank Mixes:

- AATREX Liquid 480 Herbicide
- Primextra II Magnum
- Impact
- Dual II Magnum

#### Conventional Corn

##### Pre-Plant Incorporated

AATREX Liquid 480 Herbicide, with or without Dual II Magnum

##### Pre-Emergence Application

Several products are registered for pre-emergence use and available to be tank-mixed, depending on which weeds are present. These include AATREX, Primextra II Magnum, Dual II Magnum and Integrity.

##### Post-Emergence

Several products are registered for post-emergence use and available to be tank-mixed, depending on the weeds that are present. These include AATREX, Accent, Pardner, Dual II Magnum, Banvel and Oracle.