

## KingFisher Surestand Coatings: CT and OC



For both conventional and OMRI-approved grasses and legumes, these coatings improve the seed germination, early growth, and lifelong stand.

The Super Hydrating polymer holds water around the seed and keeps the micronutrients in concentration around the growing root, giving maximum benefit for germination and early growth.

Larger seed size helps with more even seed distribution and improved seed to soil contact.

### CT (Conventional) Contains -

- Hydroloc, a water absorbent technology that helps the seed hold on to water and establish in the presence of less moisture. Can also help the seed hold onto fungicide applications.
- Quickstart Micronutrient package (0.03 oz/lb of coating)- 1% Iron, 10% Manganese, 40% Zinc
- Apron XL Fungicide (mefenoxam) - For protection against systemic downy mildews and diseases caused by soilborne Pythium and Phytophthora pp.
- Nitrogen-fixing Rhizobium bacteria

### OC (OMRI-Approved) Contains -

- Hydro Green Seed OMRI- approved hydration component to help the seed hold onto moisture
- Myco Seed Treat - blend of plant-beneficial bacteria and fungi (including Mycorrhizae) accompanied by a nutrient package to support them during their initial stages of growth. These microorganisms contribute to increased soil nutrient cycling, as well as increased productivity, giving the new seedling a lifelong benefit.
- Nitrogen-fixing Rhizobium bacteria (legumes only)

## Alfalfa Fall Dormancy:

Very Dormant: 1

Dormant: 2-3

Intermediate Fall Dormancy: 4-6

The lower the dormancy number the sooner the plant will go into dormancy with reduced daylight. June 21st is the longest day of the year, after that the days get shorter. Varieties with low fall dormancy numbers will begin dormancy and slow down in growth sooner in the fall compared to varieties with high fall dormancy numbers. Less dormant varieties (higher number) generally continue growth later into the fall and earlier in the spring, and thus have higher yield potential, earlier maturity and increased rates of recovery after harvest.

## Alfalfa Winter Hardiness:

Score 1: Superior (no injury)

Score 2: Very good

Score 3: Good

Score 4: Adequate

Score 5: Low

Score 6: None (plant death)

Winter hardiness is a measure of the plants' ability to survive the winter without injury. Winter injured plants may survive, but buds formed in the fall for spring regrowth may be killed. Such plants have fewer shoots for first cutting and produce lower yield.

Alfalfa Nematode Ratings			
Variety	SN	NRKN	SRKN
Secure-BR	R	HR	HR
Profusion-2HX	HR	HR	R
Enhancer II	R	HR	NA
Traffic Pro	HR	HR	R
PLH 322	HR	NA	NA
KF525	NR	HR	NA

R=Resistant (31-50%)

HR= High Resistant (>50%)

NA=Information Not Available

SN=Stem Nematode

NRKN=Northern Root-knot Nematode

SRKN=Southern Root-knot Nematode



www.KingsAgriSeeds.com



# ALFALFAS THAT MAKE A DIFFERENCE

We select our alfalfa varieties for forage quality, persistence and yield. All of the alfalfas listed have excellent leaf to stem ratio, impressive disease resistance, yield and winter hardiness. Our selections are the superior varieties on the market. Let our Kingfisher line work for you by choosing the product(s) that are most adapted to your management and soils.

## **KINGFISHER 101** \_\_\_\_\_ CT/OC

A solid alfalfa that is priced very competitively. Good ergonomics and quality.

## **KINGFISHER 425 HD** \_\_\_\_ CT/OC **NEW**

This new multi-foliolate alfalfa has high yield and exceptional quality including fiber digestibility. KF 425 HD (highly digestible) delivers high NDFD and TTNDFD values and has comparable lignin ratings to the non-GMO low-lignin alfalfas.

- Fall Dormancy 4.5
- Winter Hardiness 2.0
- Disease Rating 30/30

## **KINGFISHER 406AP2** \_\_\_\_\_ CT/OC **NEW**

This new variety is an exceptionally high yielding, persistent alfalfa with a branch root structure and excellent plant health. KF 406P2 has an excellent agronomic package that has resistance to multiple strains of Aphanomyces. Its forage quality is similar to other high quality varieties. The strong disease resistance in combination with its branch root characteristic will allow KF 406AP2 to establish and persist well in areas that are challenged by disease or soils that are a little wet.

- Fall Dormancy 4.0
- Winter Hardiness 2.0
- Disease Rating 35/35

## **KINGFISHER 525** \_\_\_\_\_ CT

A high yielding, robust, multifoliolate alfalfa with excellent quality. Adapted from NC to NY, Penn State Alfalfa Trials showed 525 was stastically equal to the highest yielder. Includes good resistance to Aphanomyces race 2.

- Fall Dormancy 5.0
- Winter Hardiness 2.0
- Disease Rating 34/35

## **KINGFISHER ENHANCER II** \_\_\_\_\_ CT/OC

A top yielder with excellent feed quality. This variety is eye-catching and is statistically equal to the highest yielder in the Penn State Alfalfa Trials.

- Fall Dormancy 4.0
- Winter Hardiness 1.6
- Disease Rating 30/30

## **KINGFISHER PLH 322** \_\_\_\_\_ CT/OC

A newer leaf hopper resistant variety that has exceptional quality. It's able to maintain high forage quality in a delayed harvest regime, and it's highly resistant to six major diseases.

- Fall Dormancy 3.0
- Winter Hardiness 2.2
- Disease Rating 30/30

## **KINGFISHER PROFUSION-2HX** \_ CT/OC

The newest release in the lineage of Profusion Hybrid Alfalfas. Profusion 2HX continues the fine-stemmed herbage attributes that makes high quality hay. This hybrid has been bred to have greater forage yield accumulation later in the plant growth cycle. The later growth pattern gives more flexibility in harvest management to produce high quality forage. A top yielding variety, Profusion 2HX topped the 2016 trials at both Penn State and Cornell.

- Fall Dormancy 4.0
- Winter Hardiness 1.7
- Disease Rating 33/35

## **KINGFISHER SECURE BR** \_\_\_\_\_ CT/OC

Combines high resistance to the pathogens that inhabit wet soils, which include Aphanomyces root rot (Race 2), along with the branch rooted feature. While it does have a tap root, Secure's root system has a greater degree of the branched rooted characteristic. This helps keep more of the root system above the water table and better secures the plant in the ground when freezing and thawing occurs. The branch-rooted trait will adjust as moisture stresses intensify.

- Fall Dormancy 3.8
- Winter Hardiness 1.6
- Disease Rating 34/35

## **KINGFISHER TRAFFIC PRO** \_\_\_\_ CT/OC

Traffic Pro is a traffic tolerant, deep set crowned alfalfa. The deep set crown helps protect the plant from wheel and animal damage, as well as providing additional winter protection during conditions with lack of snow cover. Includes good resistance to Aphanomyces race 2.

- 3.7 Fall Dormancy
- 1.5 Winter Hardiness
- 34/35 Disease Rating

### **Organic**

Due to circumstances beyond our control, we will not be offering certified organic alfalfas for 2017. However, we do have many strong varieties that are coated with an OMRI approved coating (OC).

### **Coatings:**

CT= Conventional Coating  
OC= OMRI Approved Organic Coating  
Coating includes inoculant.



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