



# WINTERKING II

A MIDWESTERN BIOAG EXCLUSIVE ALFALFA VARIETY

**The first alfalfa bred and designed for the biological farming system.**

➔ WinterKing II is the second generation of Midwestern BioAg alfalfa varieties. Developed using the Mineralized Balanced Agriculture system, it was bred from the healthiest, most persistent, highest yielding and highest quality plants in the Midwestern BioAg plots at our research partner's Wisconsin station. We cross-pollinated this small but select group of exceptional plants to create an outstanding new alfalfa. WinterKing II was the highest yielding variety, not only under the BioAg fertility program, but also in conventional plots across the Midwest.

In addition to being a high yielding alfalfa, WinterKing II exhibits high levels of multileaf expression (80%+) which is an indicator of high quality. It is also a fall dormancy 4 with a winter hardiness index of 2, showing us it's a high yielding variety with good persistence. With a disease index of 30/30, it will thrive in a wide range of environments. A medium tall variety with a thick, dense leafy canopy and a dark green plant color, it will work in a three, four or five cut system.



CROP  
management

## CHARACTERISTICS

Fall Dormancy	4
Winter Hardiness Index	2
Multileaf Expression	80%+

## DISEASE RESISTANCE

Aphanomyces	HR
Anthracnose	HR
Bacterial Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Verticillium Wilt	HR
Wisconsin Disease Rating	30 of 30

## INSECT RESISTANCE

Pea Aphid	HR
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## PLANTING RECOMMENDATIONS

Planting depth should be 1/4 inch. Deeper placement may cause lower emergence.

Requires a firm seedbed. Slight imprint left when field is walked across.

Roll or pack soil after planting. Creates better seed to soil contact.

## PRODUCT FEATURES

Bred and selected for high yields and exceptional forage quality.

1st alfalfa bred and designed for the biological farming system.



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## CROP management

### **What makes a good crop?**

Good crops grow in healthy, mineralized soils that are biologically active and have good structure. Our Crop Management Program is designed to feed your crop at the correct time to meet that crop's specific needs.

### **Benefits of our Crop Management Program**

- Higher yields
- Better plant health
- Larger root systems
- Greater nutrient efficiency
- Increased mineral uptake
- Improved water efficiency
- Better seed quality

### **The MBA Fertilizer Formula**

#### BALANCE

A fertilizer should have a balance of nutrients needed for optimum plant growth, yield and feed quality beyond NPK. It should include calcium, sulfur, trace minerals, plus some carbon and sugar to feed the soil microbes and make nutrients more available to the plant.

#### SOLUBLE TO SLOW RELEASE

Most fertilizers are highly soluble, which gives the plant a quick charge but then becomes deficient later when the plant needs the most nutrients. By balancing soluble to slow release, the plant receives adequate nutrients throughout the growing season.

#### pH

When the pH is within a range of 5.5 to 6.5, nutrients are more available to the plant with less chance of being tied up in the soil. A lower pH fertilizer also creates availability of other nutrients for greater uptake in the root zone of the plant.

#### NON-HARMFUL

A fertilizer should be gentle on the soil, roots and soil microbes. For example high levels of chloride and ammonia have a negative effect. By keeping them to a minimum and supplying root and biological stimulants, you can have a positive effect on yield.

*Grow your passion for farming. We'll show you how.*