

# BLACK LABEL<sup>®</sup>

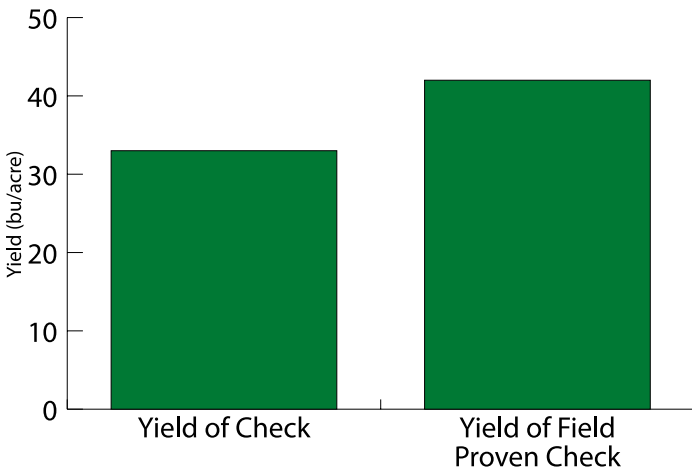
**BLACK LABEL<sup>®</sup>** is formulated with Linear Humus Components (LHC) and provides sound, efficient and immediately available phosphate based nutrition. LHC technology promotes extended nutrient uptake and supports a better soil environment - key to maximizing a grower's return on their complete nutritional investment.



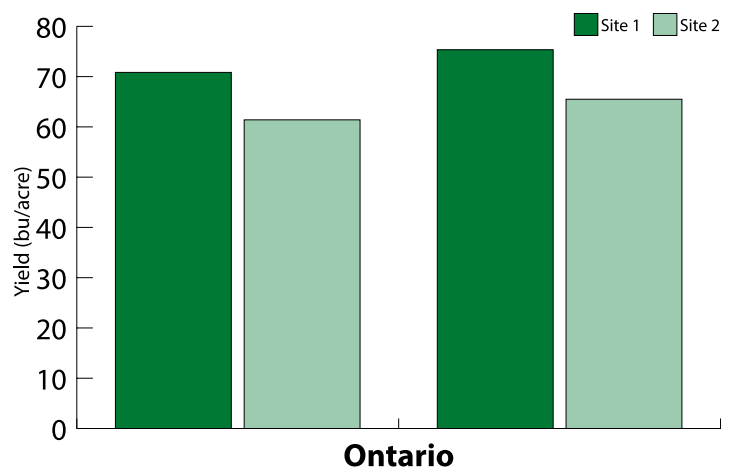
**BENEFITS**

- Highly available P and Zn to drive early season development
- Enhanced CEC of application zone
- LHC technology to enhance total nutrient availability
- Sound, efficient, flexible formulation

**Black Label Trial Results on Soybeans  
Applied 2L/acre with fungicide**



**Black Label Trial Results on Winter Wheat  
Applied 2L/acre with herbicide**



Treatment	Rate	Crop	Yield Increase over check (bu/acre)	Yield Gross Return ((\$)/acre)	Cost of Treatment/acre	Yield Gross Return (\$)/acre	ROI
Black Label	2L/acre	Soybean	9.0	\$99.00	\$11.44	\$87.56	7.7
Black Label	2L/acre	Winter Wheat	4.3	\$25.83	\$11.44	\$14.39	1.3

**Black Label Application Rate and Timing**

Crop	Foliar Application	
	Recommended Rate/AC	Timing of Application
Alfalfa & forages	4L	At spring green up, Subsequent post cust
Canola	2L to 4L	6 leaf-full bloom
Cereals	2L	Flag leaf - 30% flower
Lentils	2L	Row closure - first flower
Peas	2L	Start of flowering
Soybeans	2L	Early - late flower (R2-R3)
Winter Wheat	2L to 4L	2 leaf - tillering
Soil Applied Application		
All crops	4L	Apply in-furrow at seeding, broad or side banded

## Black Label® USER GUIDE

Black Label is formulated with differentiated Humic Substances to provide a more mobile phosphate that does not tie up in soil and increases foliar absorption. Black Label requires specific handling and use precautions in order to achieve maximum benefits from the Humic Substances. Please follow this guide to ensure ease of use.

### Handling Black Label

#### TOTES AND DRUMS

Totes and drums need to be filtered when drawing product. Use an in-line T or Y filter with an 80 mesh screen size. A 2" or 3" diameter filter boy is recommended. 3" filters can be reduced down to fit smaller diameter hoses. Position the filter before the pump in your system.

Agitate or re-circulate Black Label prior to use to avoid product settling. Pull out of the bottom of the tote/drum and back through the top with transfer pump.

\*In order to prevent plugging, ensure proper re-circulation of Black Label prior to use.

### Mixing Black Label

#### COMPATIBILITY WITH FERTILIZERS

Black Label is compatible with all commonly used liquid macro fertilizers (28-0-0, 10-34-0, 15-0-0-20, 3-10-10, Ortho Phosphates). Do not mix with sulfuric acid or any fertilizer containing calcium, (i.e. calcium nitrate). When mixing with micronutrient products, use high quality, fully-sequestered/chelated formulations such as Loveland's Signature Micros or Acetate EDTA micros.

#### COMPATIBILITY WITH PESTICIDES

Black Label works with a wide range of tank-mix partners; please consult the label or your Loveland/Actagro representative for specifications. When blending with other tank mixes it is good practice to do a jar test to verify compatibility.

### Application and Equipment Recommendations

#### FERTILIZER PUMPS

Centrifugal and diaphragm pumps are recommended; avoid roller pumps. Operators should turn off the fertilizer pump on the planter or drill while travelling between fields.

#### SEEDING EQUIPMENT

Seeding unit should have a 2" mainline filter installed with a 40-50 size mesh screen. Never run a pressure of more than 20 PSI with Black Label. If pump pressure must exceed 20 PSI to reach target application rate, increase orifice size.

#### APPLYING BLACK LABEL ZN IN-FURROW WITHOUT OTHER FERTILIZERS

In cold spring conditions it is important that the product does not freeze. In cool conditions Black Label will flow slowly; therefore dilute with water by 50% v/v.

#### BLACK LABEL ZN APPLIED IN-FURROW BLENDED WITH OTHER FERTILIZERS

For better flowability characteristics when the product is cold and in low volume situations, the total solution should be a minimum of a 1:1 ratio with other fertilizers and Black Label.

#### BROADCAST SPRAY APPLICATION

Field sprayer should be outfitted with inline filters of 50-60 mesh. Remove nozzle screens if 100 mesh or finer. When putting Black Label through nozzles outfitted with the *AIM Command* spray system, do not run pressures greater than 40 PSI and reduce travel speed of the sprayer. Mix with 10 gallons water per acre.

### Overwinter Carryover of Black Label

Black Label is not recommended for overwinter storage as the product must not freeze. If heated storage is available, the product has a shelf life of two years. Agitate and filter overwintered product using 40-50 size mesh screen before use.

Please contact your Loveland/Actagro representative with questions or concerns.

Always do a jar test when mixing with other products.