

# YELLOW JACKET COATED SEED

## STRONGER

Disease Resistance

## BETTER

Seed Establishment

## MORE

Forage Production

**Yellow Jacket** is Barenbrug's proprietary seed coating. Yellow Jacket utilizes Zeba's superabsorbent technology to produce a coating that can hold up to 600X its own weight in water.

**Extensive research** at the University of New Mexico, Ohio State University and Texas A&M Agrilife all show that Yellow Jacket seed coating will benefit your forage production when otherwise adverse conditions could leave you high and dry.

### Why Yellow Jacket Seed Coating?

- ▶ Improved establishment under adverse conditions
- ▶ Improved fungicide and pesticide effectiveness
- ▶ Environmentally friendly and bio-degradeable
- ▶ Better seed flow when planting
- ▶ Better use of available water
- ▶ Increased yield



**YELLOW JACKET®**  
ENHANCED SEED COATING

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# YELLOW JACKET®

## ENHANCED SEED COATING

### **MORE** Forage Under Reduced Irrigation Texas A&M AgriLife

Research was conducted at the Texas AgriLife Research Center which specifically tested the ability of Yellow Jacket to affect dry matter production in tall fescue under drought conditions. The results were impressive. According to the study: "In the reduced irrigation treatment, seed coating ( $P = .0003$ ) and defoliation height ( $P = 0.0003$ ) as main effects did affect aboveground biomass production. Seed coating increased aboveground biomass by an average of 14% when compared with non-coated seed regardless of seeding rate and defoliation height." (See charts A and B to the right.)

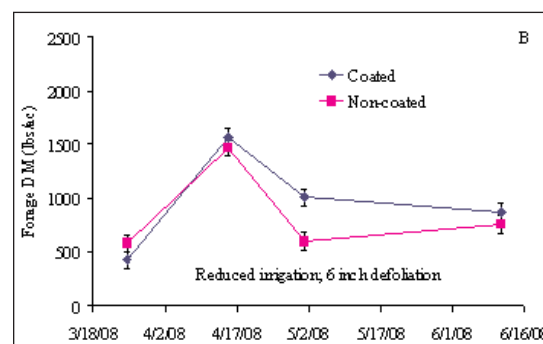
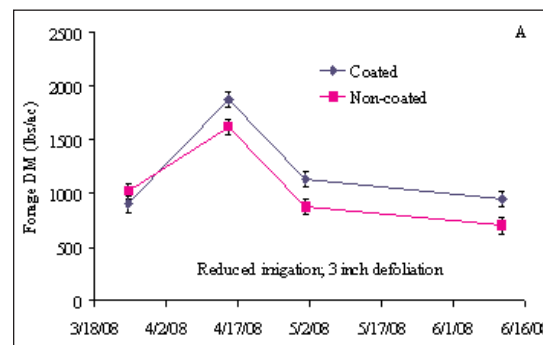
The end result was 7587 lbs/acre DM for the field with Yellow Jacket versus 6683 lbs/acre of DM for the uncoated field.

### **STRONGER** Disease Resistance Ohio State University

Pam Sherratt, Horticulture & Crop Science Specialist at Ohio State, conducted a study with grass seed coatings. She found that Yellow Jacket with Zeba was beneficial, even for fast establishing grasses like perennial ryegrass and annual ryegrass. The coated seed was not as disease prone as the uncoated entries particularly when coated with a fungicide. Whereas fungicide can easily wash off the uncoated seed too quickly to be of benefit, the Zeba coating held the fungicide longer.

### **BETTER** Seed Establishment New Mexico State University

Barenbrug conducted two extensive studies on seed coating with Bernd Leinauer at New Mexico State University. Bermudagrass, bentgrass, bluegrass, tall fescue and fine fescue seeds coated with our proprietary Yellow Jacket coating showed better establishment than uncoated seed.



Distribution of forage DM of Prosper tall fescue defoliated at 3 inch (A) or 6 inch (B) height in response to seed coating in the reduced irrigation treatment. Bars indicate  $\pm 1$  s.e.



Coated Orchardgrass (right) vs. uncoated Orchardgrass (left) produced significantly more forage in trials.



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