



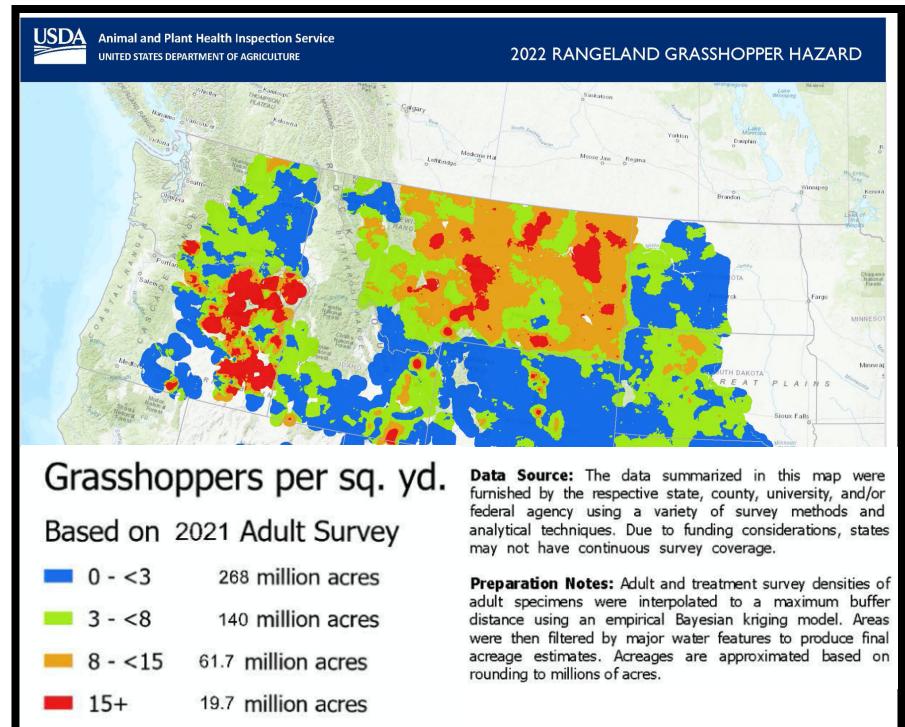
# ARE GRASSHOPPERS HOPPING TO THE TOP OF YOUR PEST CONCERNS FOR 2022?

## GRASSHOPPER PRESSURE FORECAST TO CONTINUE IN 2022

Local officials are once again sounding the alarm that the grasshopper problem Montana producers are facing is not showing any signs of coming to an end. Grasshoppers thrive in warm, dry weather, and populations already were up last year, setting the stage for an even bigger outbreak in 2022.

## LENTIL AND FLAX GROWERS FACE MAJOR CHALLENGES

In lentil, **two grasshoppers/m<sup>2</sup> is the threshold during flowering and podding stages.** Lentil pods are far more prone to attack than is the foliage. The average yield loss is estimated to be approximately two percent for every one grasshopper/m<sup>2</sup> based on research by Agri-Food Canada.



## ECO BRAN A GREAT OPTION FOR THOSE WHO USED IT LAST YEAR!

Eco Bran is an insecticide bait used to control grasshoppers, crickets, mole crickets, cutworms, ants and other target pests. Controlling a number of different instar stages, Eco Bran is offering broad-spectrum control while having little to no impact on beneficial insects and pollinators.



## Eco Bran Frequently Asked Questions

### **What is the application rate of Eco Bran?**

The application rate of Eco Bran varies between 1.5lbs and 4.0lbs to the treated acre. Two main things determine the application rate for Eco Bran, the size of the grasshoppers (the bigger the grasshopper the more they consume and the higher the application rate is needed) and the number of grasshoppers per sqft (Population density). The higher the population density the higher the application rates.

### **Where and when to apply Eco Bran?**

It is best to apply Eco Bran as soon as you see grasshoppers in your field. The smaller the grasshopper the less product they need to consume to reach mortality (therefore not only more effective but cheaper in cost). It also prevents them from laying eggs which can translate to an additional outbreak at a later day.

Eco Bran should be applied on tree lines, ditches road sides and field parameters. Where regulatory allows it should also be applied on the crop making a swath around the field edges/perimeter of 50ft to 100ft. Eco bran can also be used to treat hot spots and infested areas within the field where regulations allow.

### **How long before mortality is obtained?**

Following consumption of Eco bran by the target pest, mortality should occur anywhere from 18hours to 3 days. The variation is due to both species and weather variability.

### **How long does Eco Bran Last/What is it's residual?**

Eco bran is formulated to not break down under UV light for up to 21 days when applied in the field. This is a major advantage as it will be available for consumption by multiple hatching cycles of grasshoppers that may not have been present during application.

### **Is Eco Bran safe for beneficial insects such as bees?**

Unlike foliar contact insecticides, Eco Bran is an insecticide bait. This means it must be consumed in order for it to have a negative impact on the pest. For the most part, beneficial insects such as bees, pollinators, butterflies and ladybugs do not consume the bait and as such are minimally impacted by its use.

### **CALL FOR MORE INFORMATION:**



[John Walker 5Gen | Agronomy Sales](#)  
[406-223-7074](#)

[Misty Peterson 5Gen | Agronomy Sales](#)  
[406-836-7316](#)

[Brad Evans 5Gen | Agronomy Sales](#)  
[406-350-0967](#)

[Aron Torgerson](#)  
[406-460-2225, \[aron.torgerson@torgerson.biz\]\(mailto:aron.torgerson@torgerson.biz\)](#)