

# DEADLINE® M-PS™

## GRASS SEED

## Helping Growers Prevent Slug Damage

Grass seed producers seldom think in terms of racing against slow-moving slugs. But when fall rains set in, it's always a sprint to get stands established before slugs can feed on seed and damage young seedlings. Rain drives slugs to the surface, where they devour grass seed, defoliate seedlings, mate and lay eggs. That's why fall is the most critical time of year for effective slug control. The first and best line of defense is a timely application of DEADLINE M-Ps metaldehyde bait from AMVAC Chemical Corporation. No other competitive bait has proven to be as effective at stopping slugs in their tracks.

### Pest Profile: Gray Garden Slug (*Deroceras Reticulatus*)

The gray garden slug poses the greatest threat in most production areas. The name can be misleading, because these slugs range in color from cream to dark gray or various shades of brown. The average length is 1 to 2 inches.

Slugs begin laying eggs shortly after mating. Eggs laid by mid-October hatch in 3 to 4 weeks if conditions are favorable, while eggs laid later in the fall do not hatch until spring. Newly hatched slugs begin feeding immediately, and slugs can overwinter in any life stage – egg, juvenile or adult.

Although slugs can damage any variety of grass, ryegrass is the most vulnerable. Conservation tillage fields, because of the accumulated organic matter, also are highly susceptible.



Because slugs are not a threat to established stands, the challenge is to establish a vigorous, healthy stand as quickly as possible. Treating fields with DEADLINE M-Ps ensures a safe transition from emergence to successful establishment.

### Advantages

#### Proven Performance

Metaldehyde, the active ingredient in DEADLINE M-Ps, is the longtime standard for effective slug control in grass seed.

#### Greater Efficacy

DEADLINE M-Ps have five times as many bait particles compared to formulations with regular-sized pellets such as OR-CAL®. Therefore, DEADLINE M-Ps provide more points of contact, increasing the likelihood that slugs will eat the mini-pellets instead of the crop.

#### Low Use Rates

Pound for pound DEADLINE M-Ps control more slugs and snails than any other leading pellet bait.

#### Higher Visibility

The blue mini-pellets are readily visible, so applicators can determine the level of coverage and monitor bait consumption.

#### Powerful Attractant

Only DEADLINE M-Ps contain the exclusive DB27 attractant system, which lures slugs toward the bait and away from the crop.

#### Rainfastness

DEADLINE M-Ps do not easily dissolve and fall apart under wet conditions. They can withstand as much as 6 inches of rain over a two week period, compared with as little as 1 inch of rain for competitive baits.

# DEADLINE® M-PS™

## GRASS SEED

### Guidelines for Effective Control

- Apply by spinner spreader or mixed with fertilizer.
- Apply immediately after the first fall rains to control slugs before they lay eggs. Apply again after the next rainfall.
- Apply in the evening when slugs are active to achieve best control.
- In newly planted fields, apply at seedling emergence or at the first sign of slug activity.
- Treat field perimeters to prevent migration of slugs.
- For best control, repeat applications as necessary when new egg hatches occur.

#### DEADLINE M-Ps Rate and Target Pest

| Crop       | Target Pest | Rate                                            |
|------------|-------------|-------------------------------------------------|
| Grass seed | Slugs       | 10 - 40 (lb/A)<br>or<br>2.5 - 12 pellets/sq.ft. |

### Raising the Standard of Control

Metaldehyde has long been the standard for effective slug control. It causes them to produce excess slime and depletes their energy reserves which in turn weakens and kills the slugs. Metaldehyde is specific to slugs and snails and does not affect earthworms or soil-dwelling beneficial insects.



### What Makes DEADLINE M-Ps Stand Out From the Competition?

- DEADLINE M-Ps are the original mini-pellet formulation. The more pellets in the field, the better the coverage – and greater likelihood of slugs eating the pellets.
- The exclusive DB27 attractant system lures slugs away from seed and seedlings and to the bait, making it far more likely they will ingest a toxic dose.
- The rainfastness and low use rates enable fewer applications per season, thereby helping growers attain a higher return on their investment.
- University researchers confirm the superiority of DEADLINE M-Ps over other pellet products such as OR-CAL.



## DEADLINE® M-Ps

For more information about DEADLINE M-Ps contact your local agricultural chemical retailer, call **949-260-1212** (USA) or visit [www.amvac-chemical.com](http://www.amvac-chemical.com).



Always read and follow all label directions and use precautions.

DEADLINE® M-Ps is a registered trademark of AMVAC Chemical Corporation.  
OR-CAL is a registered trademark of Oregon-California Chemicals, Inc.

©2004 AMVAC Chemical Corporation.

Copyright ©2004 photograph of corn by Keith Weller  
Copyright ©2004 photograph of Brahman by Scott Bauer