

Fenamidone Use in the Desert Southwest
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Information Request: Fenamidone registration review, open comment period.

Source: USDA Office of Pest Management Policy via Western IPM Center

Request Date: Mar 31, 2014

Response Date: May 15, 2014

Process:

The Arizona Pest Management Center (APMC) requested input from Extension specialists, plant pathologists, crop consultants, pest control advisors and Arid Southwest IPM Network contacts in AZ, CA, NM and NV. We also queried the APMC Pesticide Use Database, which contains uses reported to the Arizona Department of Agriculture since 1991. We did not get a timely response from all contacts, but have summarized important stakeholder comments below.

Comments

Under product name Reason 500 SC, fenamidone is registered for use on many vegetable crops (leafy, cole, other), chili and other peppers & root crops (carrots, garlic, turnip, onions) for various diseases, including downy mildew.

Most significant use of this active ingredient in Arizona is on Lettuces and Spinach, but it is also used to a lesser extent in cole crops, celery, dry onions and onions for seed. According to Mike Matheron, UA Extension plant pathologist, fenamidone (Reason) is used primarily for downy mildew control on lettuce and other vegetables. It is alternated with other downy mildew materials during the course of the spring lettuce production season. Lettuce Pest Losses survey data for Arizona and SE California suggests an average of one application per season on spring lettuce. This is an important rotational product in Arizona lettuce production for control of downy mildew. It is not currently labeled for control or suppression of powdery mildew or bottom rot.

According to a crop consultant for the chili industry in New Mexico there is not much use of this active ingredient in chilis, where powdery mildew is more of a concern than downy mildew.