Aldicarb (Temik) marketed as Meymik

Bayer CorpScience and the EPA had reached an agreement in August 2010 for Temik 15G to be phased out of production and use. Since that time Ag Logic LLC had purchased registration data from Bayer and in April 2011 the company submitted an application to the EPA to register aldicarb under a new trade name. On December 22, Ag Logic announced that EPA had approved their registration request. The new product will be marketed as Meymik 15G, but how much of the product will be available in 2012 is uncertain now. The following is a news release from Ag Logic. This information was obtained from the Focus on South Plains Agriculture Newsletter, volume 51 number 1, January 2, 2012.

December 22nd 2011
FOR IMMEDIATE RELEASE

Washington DC/Chapel Hill, NC—The U.S. Environmental Protection Agency (EPA) has approved AgLogic L.L.C’s registration of MEYMIK 15G, aldicarb pesticide, effective December 22nd 2011. The registration will ensure continued availability of aldicarb, as a valuable crop production tool, for pest control use on registered crops.

The U.S. EPA approved MEYMIK 15G aldicarb granular pesticide for use on cotton, peanuts, sugar beets, dry beans, sweet potatoes, and soybeans to control certain nematodes, insects and mites. In public comment requested by EPA, producers and grower organizations concerned about the loss of crop productivity, strongly supported responsible and continued use of aldicarb, as an incomparable, and highly effective tool for the control of devastating plant pests.

In one such comment, The National Cotton Council, estimated the value of aldicarb to U.S. cotton growers in 2011, would have exceeded $800 million, if just 25% of all planted US cotton acres were treated.

There is no single alternative product comparable to aldicarb, which can enable growers to control nematodes, mites and insects from a single at-plant or early season application. Very often the use of aldicarb can significantly increase yield and crop quality. Over 40 years of research and use have demonstrated that aldicarb provides systemic residual control, of more than 75 species of insects and mites, and at least 40 species of plant-parasitic nematodes. Soil incorporation of aldicarb granules, usually replaces the need for fumigants, and many foliar-applied insecticide sprays, thereby preventing disruption of the establishment of beneficial arthropods and other non-target species making it an ideal tool for integrated pest management. Additionally, soil incorporation of aldicarb minimizes the potential for off-site damage, and other adverse effects including unwanted pesticide spray drift on to non-target crops, and surface water bodies, that can potentially be associated with the use of alternative pesticide spray programs.

AgLogic LLC is committed to the careful stewardship, proper handling and responsible use of MEYMIK 15 G, through continuing user education, applicator certification and proactive training at all levels of the channel. And, since MEYMIK 15 G is a restricted use pesticide, it is ONLY available for purchase and use by certified
Panhandle Pest Update

Corn rootworm and resistance to Bt corn

In the Amarillo Globe newspaper on Sunday, January 1, 2012, there was an article entitled “Genetic modification Biotech corn at risk, Crop losing its punch?”. The opening sentence would lead you to believe that Bt corn is losing its effectiveness. This is not the case, at least here, but the article was written in reference to research by Dr. Aaron Gassmann, Iowa State University entomologist, and showed the offspring of rootworms collected in 2009 from Iowa farmer Bt fields with severe rootworm feeding injury had higher survival on Cry3Bb1 corn in laboratory tests than rootworms collected from fields that were not heavily damaged (Gassmann, A.J. et al. 2011. Field-Evolved Resistance to Bt Maize by Western Corn Rootworm. PLoS One 6(7):e22629. Doi:10.1371/journal.pone.0022629). And there are concerns about problem areas in Illinois, Iowa, Minnesota, South Dakota and Nebraska. These problem fields have as common features, a history of continuous corn and a history of Cry3Bb1 being used for multiple years.

A recent study has shown that our western corn rootworms are genetically no different from those in the Midwest, so we are not immune from possibly developing this problem. The question is how does this affect us on the Texas High Plains, because if western corn rootworms in Iowa have developed resistance to the Cry3Bb1 toxin, we need to do what we can to prevent resistance in rootworms here. The following are things to keep in mind:

• The problem to date is only with the Cry3Bb1 toxin.
• There is no evidence of problems with corn having the Cry34/35Ab1 toxin, and Dr. Gassmann’s paper reiterates this fact.
• There is no evidence that Cry3Bb1 corn is losing effectiveness in the Texas High Plains, and it should continue to provide effective protection against economic corn rootworm damage, as does corn with Cry34/35Ab1 or a combination of the two toxins.
• The problem in Iowa had nothing to do with corn having Bt genes for control of Lepidopteran ‘worm’ pests (southern corn borer, western bean cutworm, fall armyworm, European corn borer, etc.).

• Management practices to follow:
  o Rotate corn fields to other crops (one of the common factors associated with problem fields in Iowa was that fields had been planted at least three consecutive years to Cry3Bb1 corn).
  o Comply with the refuge requirement size and proximity to Bt fields.
  o Consider switching between Cry3Bb1 and Cry34/35Ab1 corn or a hybrid with both Cry3Bb1 and Cry34/35Ab1 in successive years in order to avoid exposing rootworm larvae to the same toxin year after year.

If you have a field planted to a Bt hybrid with toxins for rootworm control that has unusually high levels of rootworm damage contact your local County Extension Agent or contact either Dr. Ed Bynum, Extension Entomologist - Amarillo at (806) 677-5600 or Dr. Pat Porter, Extension Entomologist – Lubbock at (806) 746-6101.

Aldicarb new registration

Continued from page 1

professional pesticide applicators and not the general public.

Through the registration process, EPA has determined that when used responsibly and in strict accordance with label directions, MEYMIK 15 G will not result in unreasonable adverse effects. It is therefore essential that all label restrictions be strictly followed.

AgLogic LLC and MEY Corporation are both North Carolina based U.S. companies, committed to providing quality, world-class products. Both companies are highly experienced and knowledgeable about the responsible use of aldicarb. Their mission is to help customers improve agricultural productivity, while strictly implementing regulatory restrictions associated with user safety, and protecting the environment.
The following is a news release from Monsanto:

**Monsanto Receives U.S. Registration for Genuity VT Double PRO RIB Complete**

Convenient, single-bag refuge option will join Genuity SmartStax as RIB Complete product broadly available to farmers in 2012

**Source:** Monsanto Press Release. [www.monsanto.com](http://www.monsanto.com)

St. Louis, Missouri (November 17, 2011)--U.S. farmers in the Corn Belt now have a new single-bag option for managing above-ground pests. Monsanto's Genuity® VT Double PRO® RIB Complete™ has received registration from the U.S. Environmental Protection Agency (EPA), completing federal regulatory authorization in the United States. Commercialization is pending individual state authorizations and notifications, as required. Monsanto was the first in the industry to offer farmers a single-bag refuge solution with Genuity® SmartStax® RIB Complete™, and this approval adds another single-bag product to the Genuity reduced-refuge family of products.

Genuity VT Double PRO RIB Complete is a blend of 95 percent Genuity VT Double PRO and 5 percent refuge (non-Bt) seed, delivering the lowest refuge in the corn-growing area for above-ground insect protection. The single-bag solution of Genuity VT Double PRO RIB Complete helps farmers simplify the planting process while delivering peace of mind for refuge compliance.

"Based on farmer feedback, Monsanto continues to move toward single-bag refuge options making corn production and refuge compliance synonymous," said Brett Begemann, executive vice president and chief commercial officer. "Genuity VT Double PRO RIB Complete offers the simplest, most convenient refuge implementation option available to farmers needing above-ground protection for pests. We expect demand for the product to be high. In 2012, this product will be offered by Monsanto brands and licensees across the corn-growing area, providing farmers the broadest choices in the industry."

Farmers who do not experience corn rootworm pressure have chosen to plant Genuity VT Double PRO corn hybrids with a structured 5 percent refuge. Introduced in the 2010 season, the technology was the first dual mode-of-action product for above-ground pest protection that allowed farmers to lower their refuge in the corn-growing area from the standard 20 percent. The reduced refuge enables farmers to protect more of their fields from pest damage that reduces yield. Genuity VT Double PRO corn hybrids provide protection from the European corn borer, southwestern corn borer, fall armyworm and corn earworm, while offering tolerance to Roundup® agricultural herbicides.

To learn more about Genuity VT Double PRO RIB Complete, visit [www.monsanto.com](http://www.monsanto.com).

**Contact:**
Danielle Stuart, 314-694-2478