



Summary of Label Changes

- New restrictions address respiratory protection, tarp handling and an entry-restricted period.
- Increased protection for applicators, handlers and workers.
- Specific requirements related to wind speed, weather, and indentifying unfavorable weather conditions
- Good Agricultural practices include proper soil preparation/tilling, ensuring optimal soil moisture and temperature, and appropriate use of sealing techniques.
- Labels restrict certain fumigant application methods.



Training

Applicators must be licensed by NMDA and certified in the appropriate pest control category. They must also complete an EPA approved training program. Training programs are available on-line at EPA's website, under Soil Fumigant Training Material. The nine training modules which must be completed before applying a soil fumigant are:

- (Mod 1) EPA Process and Implementation
- (Mod 2) Soil Fumigant Uses
- (Mod 3) Overview of Risks
- (Mod 4) Good Agricultural Practices (GAPs)
- (Mod 5) Protections for Workers and Handlers
- (Mod 6) Fumigant Management Plans (FMPs)
- (Mod 7) Buffer Zones and Posting
- (Mod 8) Emergency Preparedness and Response and Related Measures
- (Mod 9) Registrant Requirements

More Information

Agency Contacts

New Mexico Department of Agriculture Pesticide Compliance
 3190 S. Espina
 MSC 3AQ
 New Mexico State University
 P.O. Box 30005
 Las Cruces, NM 88003-8005
 Phone: 575-646-2134 Fax:575-646-1540
 Web: nmdeptag.nmsu.edu/aes/pesticide-compliance
 E-mail: pesticides@nmda.nmsu.edu

EPA Soil Fumigation Toolbox

www.epa.gov/opp00001/reregistration/soil_fumigants/

Resources

Cardinal Professional Products

www.cardinalproproducts.com

Honeywell Safety Products

www.honeywellsafety.com

National Pesticide Information Center Phone:

1-800-858-7378

E-mail: npic@ace.orst.edu

Commercial business listings are provided as resources only. NMDA does not endorse any private service providers. NMDA does not recommend or endorse any pesticide product.



New Soil Fumigation Regulations 2013

EPA is requiring new safety measures for soil fumigants. This brochure highlights several of the label changes and requirements.

Products affected by the new requirements include:

- Terr-O-Gas 98 (Methyl Bromide)
- Telone C-17 (Chloropicrin)
- Vapam HL (Metam Sodium)
- K-Pam HL (Metam Potassium)



New EPA Fumigation Rules

Agriculture Soil Fumigation

Buffer Zone Requirements

- Fumigant labels require a buffer zone around each treated area. A buffer zone extends from the edge of the treated area equally in all directions.
- All persons must be kept out of buffer zone during buffer zone period, except for people in transit by vehicle or bicycle.
- Publicly and privately owned areas may be included in a buffer zone if written permission from the agency or person responsible for management and operation of the area.
- Buffer zones may include agricultural areas owned or operated by someone else and the owner provides written agreement that no one will enter.
- Residential areas can only occur within a buffer zone if occupants agree in writing to voluntarily vacate property.
- Buffer zones must be maintained from the time fumigation begins until at least 48 hours after fumigation ends.

Size of Buffer Zone

The product label will include charts showing buffer zone sizes based on:

- Application rate
 - Size of area to be fumigated
 - Application equipment
 - Methods of application
- Smallest buffer zone distance is 25 feet.
 - Calculations must be included in Fumigant Management Plans (FMP).
 - Buffer zones can only overlap under specific situations including use of low drift systems. **READ THE PRODUCT LABEL** for details.

Difficult to Evacuate Sites

“Difficult to evacuate sites” include schools, state licensed day-care facilities, nursing homes, hospitals, assisted living facilities, in-patient clinics, and prisons. These sites will require greater buffer zones.

Fumigator Responsibilities

Fumigant Management Plans (FMPs)

Templates are available on EPA’s website for each of the listed fumigant active ingredients.

- Site-Specific FMPs must be prepared in advance and available at the site to all handlers involved in the application.
- FMP templates are available from EPA, NMDA and fumigant registrants.
- Some FMP elements are listed below. See labels and templates for a complete list.
 - * Verify that handlers have appropriate respirators
 - * Description of tarp plan
 - * Buffer zone information
 - * Emergency preparedness and response information
 - * Date and location of applicators soil fumigant training program
 - * Air monitoring plan

Fumigators can choose to either

- Monitor the buffer zone four times per day or
- Provide emergency information directly to neighbors at least one week before fumigation.

Fumigators must:

- Keep all persons out of treated area and buffer zones (except those traveling through)
- Post fumigation-specific signs

Posting Requirements

Buffer zones need to be posted with information about location and timing of fumigant applications. Posting is required for usual points of entry, and along likely routes of approach to buffers. Signs must include the “DO NOT WALK” symbol and contact information of the fumigator.



Post Application Summary

A post-application summary must be prepared, describing the fumigation and any deviations from the FMP, any incidents or complaints, air monitoring results, and more. Templates are available from EPA, NMDA, or registrants.

