

Supplemental Labeling



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Recruit™ IV

EPA Reg. No. 62719-453

Clarification of Monitoring Intervals Based on Termite Feeding Activity Not For Distribution and Use in the State of Florida

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- This supplemental labeling provides updated guidance for monitoring of Sentricon® stations based on the level of termite feeding activity and may be used in place of the product label provided with Recruit™ IV termite bait where allowed by state regulatory authorities.
- Before using Recruit IV according to this supplemental labeling, read and understand the entire label. Carefully follow all precautionary statements and applicable use directions.

Directions for Use

General Information

Recruit® IV termite bait contains an insect growth regulator (IGR), noviflumuron, that prevents successful molting and development of subterranean termites. This disruption of development ultimately results in the decline of the termite colony to the point where the colony can no longer sustain itself and is eliminated.

Recruit IV was developed to be used in the Sentricon® System which represents an integrated pest management approach for the elimination of subterranean termite colonies, including *Coptotermes*, *Reticulitermes*, and *Heterotermes spp.* and is intended to form the basis of an on-going program providing structural protection from subterranean termites. Use of this management system involves three basic steps: (1) monitoring for the presence of termite activity in and around the target site; (2) delivery of a slow acting insect growth regulator, Recruit IV, when the presence of subterranean termites is observed or activity has been detected; and (3) continued inspection and monitoring of the site for the presence of termite activity after elimination of the colony has been achieved. Although the third phase of the management system is an optional service offered to the owner of the structure, it provides an on-going preventive service in order to detect and eliminate any new termite activity.

When termite activity is detected and feeding of Recruit IV termite bait is established, Baitube devices must remain in the station as long as the bait material is being consumed and termites remain active. When evidence of termite activity in the Baitube ceases, resume monitoring to detect the presence of renewed termite activity by substituting a monitoring device for the Baitube if the termite control program is on-going.

Do not re-use Baitube devices or Recruit IV termite bait. Subterranean termites excrete colony specific pheromones that become incorporated into the bait while feeding and foraging. The pheromones left in the bait by one colony will cause feeding deterrence or repellency to other colonies, causing it to be ineffective.

It is important for operators to understand the biology and behavior of subterranean termite species, and construction and landscape features conducive to infestation by subterranean termites.

Target sites for this system can include buildings, fences, utility poles, decking, landscape plantings and trees or other features that could be damaged by termite feeding and foraging activity. Recruit IV can be used on the inside or outside of foundation walls of crawl space areas or through concrete and asphalt if adequate soil is not accessible and such action is warranted. Recruit IV may be used in lieu of a pre-construction termiticide (chemical barrier) treatment as a means of preventing termite infestation of new structures.

Monitoring

The purpose of the monitoring phase is to detect the presence of subterranean termites. This procedure does not attract termites from other locations. When present, termites can be collected from monitoring devices placed in the Sentricon stations. Although not mandatory, it has been shown that this procedure results in increased bait consumption as termites feed their way through the bait matrix as they seek to return to the colony and thereby "recruit" the active feeding of other colony members. This Self-Recruitment[®] procedure further encourages the subterranean termite population to forage into and feed on Recruit IV termite bait.

Identify critical areas suitable for placing Sentricon stations. Critical areas include locations within or adjacent to visible termite activity such as indicated by: foraging tubes, termite infested plants, wood, and other materials; and areas conducive to termite foraging (bath traps, moist soil in shaded areas, near irrigation sprinkler heads, roof down spouts and other moist areas, and near planting beds or other areas with plant root systems). Sentricon stations should be placed within 4 feet of critical areas unless placement is obstructed. Sentricon stations should not be placed in soil within 18 inches of structural foundations previously treated with a liquid termiticide. In addition to select critical areas, install Sentricon stations around the target site at intervals not to exceed 20 feet where soil access is not restricted.

Monitoring devices may be inspected monthly, bi-monthly or quarterly when termite activity is observed at the site and environmental conditions are favorable for termite feeding (**see note below**). If no termite activity is observed at the site, then inspection of the monitoring devices can be done on a monthly, bi-monthly or quarterly basis. The shorter monitoring interval is appropriate when observed termite activity is high and the longer intervals are appropriate if there is no evidence of termite activity or observed termite activity is low.

When termite activity is observed in a monitoring device, install Baitube devices containing Recruit IV and auxiliary Sentricon station(s) per directions in section 2 of this label. Baited Sentricon stations may be inspected monthly, bimonthly or quarterly. If, upon reinspection, more than 75% of the Baitube device contents have been consumed in one or more stations, subsequent reinspection should occur more frequently. If, upon inspection, no active termites or evidence of new termite feeding on Recruit IV bait is observed, replace the Baitube with a monitoring device and resume monitoring on a monthly, bi-monthly or quarterly basis, provided the control program is continuing. If auxiliary Sentricon stations have been installed and there are no termites in them, they may be removed leaving the original Sentricon station with monitoring device in place.

Note: Unfavorable conditions including, but not limited to, frozen or water saturated soil or normal seasonal decline in subterranean termite foraging activity may temporarily disrupt feeding on Recruit IV. Seasonal effects on termite activity vary geographically, but feeding activity typically declines during periods when the historical average daily temperature falls below 50°F. Monitoring may be suspended during these periods. (Refer to National Weather Service data or contact Dow AgroSciences for information regarding local mean temperatures.) However, do not allow more than four months to elapse between monitoring visits.

Installation of the Baitube Device Containing Recruit IV

Upon inspection, install Baitube devices as indicated below if live termites are observed in the monitoring station or there is evidence of termite feeding activity as indicated by consumption of the monitoring device.

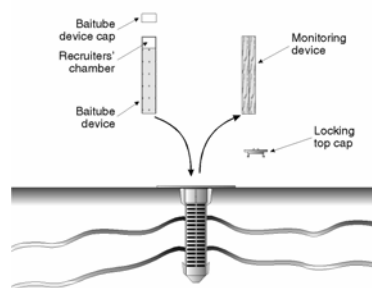
In areas where termites, evidence of termite activity or conditions conducive to termite activity are observed, Baitube devices containing Recruit IV termite bait may be installed in auxiliary stations without the termites first having been found in monitoring devices. Under these conditions, auxiliary stations containing a Baitube device may be installed, provided the auxiliary stations are located within 12 inches of a Sentricon station containing monitoring devices.

Self-Recruitment Procedure: If the self-recruitment procedure is utilized, remove termites present in the monitoring device and introduce them into the Self-Recruitment chamber in the top of the Baitube as follows (refer to Figure 1):

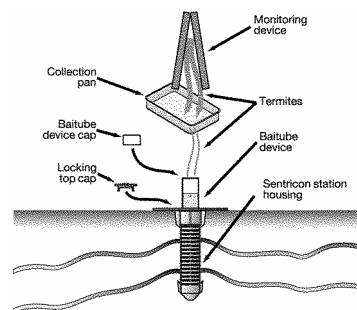
1. Prepare the Baitube for introduction of termites as follows:
 - (1) Remove the cap.
 - (2) Add a minimum of 0.7 fluid ounces (approx. 20 mL) of water or a sugar-containing solution such as a sports performance drink to the Self-Recruitment chamber. In arid areas and in dry soils, add up to up to 2.7 fluid ounces (approx. 80 mL) of water or sugar-containing solution before introducing termites to the chamber. This moisture is necessary for termites to survive the Self-Recruitment procedure. Allow the water or sugar-containing solution to be completely absorbed by the bait before transferring termites to the chamber.
2. Transfer termites from the infested monitoring device to the Self-Recruitment chamber of the Baitube as follows:
 - (1) Remove monitoring device from the Sentricon station and place in a container suitable for collecting termites and associated debris that will be introduced into the Self-Recruitment chamber. A shallow pan works well for this purpose, or, with experience, users may fashion other devices more suitable for this purpose.
 - (2) Carefully remove termites, debris, soil and mud tube material from the surface of the monitoring device. Save this material to add to the Self-Recruitment chamber along with termites.
 - (3) Separate the halves of the monitoring device and gently tap them to dislodge as many termites as possible into the collecting pan.
 - (4) Introduce the termites and debris collected into the Self-Recruitment chamber of the Baitube. Excess debris and termites may be discarded or used to initiate the Self-Recruitment process in an auxiliary Sentricon station placed adjacent to the primary baited station (see Installation of Auxiliary Stations).
 - (5) Replace the cap of the Baitube. Avoid harming termites placed in the chamber when replacing the cap. If the chamber is overfilled, wait for excess termites to move out of the way to avoid injuring them since dead termites may repel nestmates from feeding at the bait station.
3. Remove the plastic covering of the Baitube at the perforations to expose the termite access holes before inserting into the Sentricon station.
4. Complete the Self-Recruitment procedure by inserting the capped Baitube into the Sentricon station and replacing the outer cap of the station.

Figure 1. (Refer to Self-Recruitment Procedure section)

- 1a.** When termite feeding activity is observed in a monitoring device, remove the monitoring device, and replace it with a Baitube containing Recruit IV. Use worker termites, if present, for Self-Recruitment procedure.



- 1b.** Remove termites from the monitoring device into the collecting pan and introduce them into the top of the Baitube.



- 2. Installation of Auxiliary Stations:** A Sentricon station is considered to be free-standing if it is more than 12 inches from another Sentricon station. When a free-standing station is baited with Recruit IV, install one or more auxiliary Sentricon stations containing monitoring devices within 12 inches of the baited station, if suitable ground access exists. Auxiliary Sentricon stations may be baited immediately. The self-recruitment process may be utilized in baited auxiliary stations if adequate numbers of termites are available. When auxiliary stations are baited at a subsequent inspection, continue to install auxiliary Sentricon stations as necessary. Installation of auxiliary Sentricon stations creates a cluster of two or more Sentricon stations in which each station is located 12 inches or less from adjacent station(s). Assure that one or more Sentricon stations per cluster contain monitoring devices. See conditions for placement of baited auxiliary stations under “**Installation of the Baitube Device Containing Recruit IV.**”
- 3. Inspection of the Baitube:** Baitube devices are inspected by visually examining the device for termites. If termites are active in the Baitube and the material is nearly or totally consumed (or if the material appears to be degraded or moldy), replace it with a new Baitube containing Recruit IV. If possible, gently tap the termites from the used Baitube device into the replacement device using the Self-Recruitment procedure described above. It is not desirable to have the entire contents of the Baitube consumed before replacing it, as termites may forage elsewhere in search of food. Inspect adjacent monitoring device locations and initiate placement of Baitube devices in Sentricon stations when and where termites are found in monitoring devices.

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