

# Clopyralid in Herbicides Fact Sheet

*How to avoid contaminating our community's compost*

## Clopyralid and Compost

- The City of Lawrence did not have a community compost distribution in 2003 or 2004 because of an unacceptable level of the herbicide ingredient Clopyralid (pronounced clo-PEER-a-lid) present in the compost.
- Compost contaminated with Clopyralid can adversely affect certain garden plants such as peas, potatoes, tomatoes, peppers, petunias and sunflowers.

## Transference

- Grass clippings from lawns treated with Clopyralid-containing herbicides that are then set out for Monday curbside collection of yard trimmings is the primary source of our community compost's contamination.

## Clopyralid...

- is an active ingredient in some herbicide and weed-and-feed products used to control dandelion, clover, thistle, knapweed, and other broadleaf weeds.
- does not break down readily during the composting process.
- is manufactured by Dow AgroSciences, but found in several other brand formulations.
- has recently had its label amended by Dow AgroSciences and the EPA, due to impacts on compost. The labels of Clopyralid-containing products now must state the product not be applied to residential turf. Additionally, no contaminated clippings may be used for mulching or composting.
- is found in approximately 30 registered herbicides in the state of Kansas (over for list). Clopyralid-containing herbicides will have one of the following active ingredients listed on their labels:  
Clopyralid (Followed by "acid", "(ANSI)," "monoethanolamine salt", or "triethanolamine")  
3,6 Dichloropicolinic acid or 3,6-dichloro-2-pyridinecarboxylic acid (chemical names of Clopyralid)

## Damage to Plants

Symptoms of plants indicating Clopyralid damage include lack of a central leader, stunting, cupping of leaves, failure of secondary leaves to grow, and leaves in legumes that are normally compound may stay single. Plants within the Leguminosae, Solanaceae and Compositae families are the most susceptible to Clopyralid damage.



Normal Bean Plant



Bean Plant exhibiting Clopyralid damage

## Turf Recommendations when Using Herbicides with Clopyralid

- Do not set out grass clippings from lawns treated with products containing Clopyralid for Lawrence's Monday curbside collection of yard trimmings.
- Encourage lawn care professionals to not use Clopyralid-containing herbicide products on their client's property. It is illegal to use such products with the new labeling on residential lawns.
- Do not compost materials in your backyard that have been treated with a Clopyralid-containing herbicide.
- If Clopyralid is used, MULCH MOW the clippings back onto the lawn. Clippings will return water, nutrients and chemical products to the turf.



# Herbicides Registered in Kansas Containing Clopyralid (2003-mid 2005)

Product Name	EPA Registration No.	Active Percent Clopyralid in Product
16-4-8 with Millennium Ultra Herbicide	228-343-9198	0.0940
Accent Gold Herbicide	352-593	51.7000
Accent Gold WDG	352-612	51.4000
Battleship	228-371-5905	1.3000
Chaser Ultra	228-372-65783	2.5300
Confront	62719-92	12.1000
Curtail	62719-48	5.1000
Curtail M	62719-86	5.000
Hornet	62719-253	62.5000
Hornet WDG	62719-315	60.0000
Lesco Momentum Selective Herbicide	228-321-10404	1.3000
Lontrel Turf and Ornamental	62719-305	40.9000
Millennium Ultra Plus	228-382	0.8200
Millennium Ultra Weed and Feed 20-5-10	228-343-1381	0.0940
Momentum Weed and Feed 0-0-7	228-340-10404	0.0280
Momentum Premium Weed and Feed 21-0-12	228-340-10404	0.0280
Momentum Weed and Feed 21-0-12	228-340-10404	0.0280
Preen N Green Lawns	961-390	0.18000
Proscape with Confront 19-2-9	62719-262-961	0.1800
Redeem R&P	62719-337	12.1000
Riverdale Millennium Ultra Plus	228-382	0.8200
Riverdale Millennium Ultra	228-322	5.0900
Riverdale Millennium Ultra2	228-332	2.5400
Riverdale Millennium Ultra Selective Herbicide	228-322	5.0900
Riverdale Trupower	228-323	5.1800
Riverdale Trupower TM Selective Herbicide	228-323	5.1800
Stinger	62719-73	40.9000
Strike 3 Ultra	228-374-1381	1.9800
Tee Time with Millennium Ultra Herbicide	228-243-9198	0.0940
Transline	62719-259	10.9000
Weed and Feed (Howard Johnson's)	228-343-32802	0.0940
Weed and Feed with Millennium Ultra HJE	228-376-32802	0.0370
Winter Weed and Feed 24-4-14 (Free Flow Fertilizer)	228-343-9198	0.0940
Weed and Feed 32-3-5 (Free Flow Fertilizer)	228-343-9198	0.0940