


Corn Herbicides: Restrictions When Planting, Grazing or Feeding Cover Crops

Herbicides may prevent crop residues or cover crops from being used as livestock forage.

For farmers wanting to **1) plant cover crops for the purpose of harvest or grazing, 2) graze crop residue or 3) graze or feed cover crops with crop residue**, this handout provides a quick guide to get you started. Commonly used herbicides (identified by farmers) are listed below, along with planting options and grazing/feeding restrictions. Planting options list cover crop species that are allowable to plant after using a certain herbicide and is adapted from an Iowa State University publication. Some herbicides will prevent cover crops from being planted for harvest or grazing, eliminating the option of using them for feed. Grazing and feeding restrictions are taken directly from herbicide labels. You will need to double check your label. **The label is the law!**

Trade names	Planting Options ¹			Grazing/Feeding Restrictions ²
	Less than 4 months following application	After 4 months following application	After 4.5 months following application	Corn Residue + Cover Crops
2,4-D Amine 4	Cereal Rye Wheat Oats Barley	Cereal Rye Wheat Oats Barley	Cereal Rye Wheat Oats Barley	Corn: Do not use treated crop as fodder for 7 days following application. Cover Crops: not stated on label (2,4-D is manufactured by multiple companies; reference your specific label)
Aim EC	Cereal Rye Wheat Oats Barley Triticale Brassicas Clover	Cereal Rye Wheat Oats Barley Triticale Brassicas Clover	Cereal Rye Wheat Oats Barley Triticale Brassicas Clover	Corn: not stated on label Cover Crops: not stated on label
Atrazine				Corn: Do not feed or graze forage from treated areas for 60 days following application, or illegal residues may result. Cover Crops: not stated on label
Balance Flexx		Cereal Rye Wheat Triticale	Cereal Rye Wheat Triticale	Corn: Harvest of corn forage is permitted at 45 days or more after an early postemergence treatment. Cover crops: not stated on label
Callisto	Oats	Cereal Rye Wheat Oats Barley	Cereal Rye Wheat Oats Barley	Corn: Do not harvest forage, grain, or stover within 45 days after application. Cover Crops: not stated on label
Capreno		Wheat Triticale	Wheat Triticale	Corn: Do not apply within 45 days of grazing livestock or harvesting corn forage. Cover Crops: not stated on label
Corvus		Cereal Rye Wheat Triticale	Cereal Rye Wheat Triticale	 Corn: Do not harvest field corn forage within 45 days of application. Cover Crops: Do not allow cover crops in treated fields to be grazed by livestock or harvested for food.
Dual II Magnum			Cereal Rye Wheat Oats Barley	Corn: Do not graze or feed forage from treated areas for 30 days following application. Cover Crops: not stated on label
Halex GT			Cereal Rye Wheat Oats Barley	Corn: Do not graze or feed forage from treated areas for 45 days following application. Cover Crops: not stated on label

Harness Xtra		Wheat	Wheat	<p>⊘ Corn: For field corn use, allow 60-day preharvest interval.</p> <p>Cover Crops: Do not graze or harvest rotational cover crops for food or animal feed for 18 months following the last application. This prohibition does not apply to wheat, which may be planted 4 months following the last application, or to non-grass animal feeds, which may be planted 9 months after the last application.</p>
Laudis		Cereal Rye Wheat Oats Barley Triticale	Cereal Rye Wheat Oats Barley Triticale	<p>⊘ Corn: Do not graze livestock or harvest corn forage within 45 days of application.</p> <p>Cover Crops: Planting of cover crops in treated fields is allowed as long as these cover crops are not grazed by livestock nor harvested for food.</p>
Liberty	Cereal Rye Wheat Oats Barley Triticale Brassicas	Cereal Rye Wheat Oats Barley Triticale Brassicas	Cereal Rye Wheat Oats Barley Triticale Brassicas	<p>Corn: Do not apply within 60 days of harvesting corn forage and within 70 days of harvesting corn grain and corn fodder.</p> <p>Cover Crops: not stated on label</p>
Roundup/ glyphosate	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	<p>Corn: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. RR Corn: Allow a minimum of 50 days between application of the product and harvest of corn forage</p> <p>Cover Crops: not stated on label (Roundup/glyphosate herbicides come in many versions; reference your specific label)</p>
Status		Cereal Rye Wheat Oats Barley Triticale	Cereal Rye Wheat Oats Barley Triticale	<p>Corn: Do not apply within 32 days of corn forage harvest. Do not apply within 72 days of corn grain and stover harvest.</p> <p>Cover Crops: not stated on label</p>
Surestart		Wheat	Wheat	<p>Corn: not stated on label</p> <p>Cover Crops: not stated on label</p>
Zidua (≤3 oz)		Wheat	Wheat	<p>Corn: not stated on label</p> <p>Cover Crops: not stated on label</p>

¹Species listed are only those allowable, according to the herbicide label, in a typical cover crop seeding window. Species not listed typically fall under the 'all other crops' planting restriction. For less than 4 months following application, refer to the label for specific timing of rotation. For all restriction details, check the herbicide label.

²Unless not stated, language is taken directly from herbicide label.

⊘ No grazing or feeding of crop residue and/or cover crops under circumstances listed on the label.

These lists are not all-inclusive. Inclusion in this list is not an endorsement of a product nor is exclusion non-approval. Always read herbicide labels prior to purchasing or using the product.

For alternative herbicides that you may be able to use, contact a local university extension specialist or ag service provider. Remember to check insecticide and fungicide labels too, as they can also have residual carryover issues.

Resources:

2015 Missouri Pest Management Guide:

<http://weeds.cscience.missouri.edu/publications/m00171.pdf>

CDMS Label Database

<http://www.cdms.net/Label-Database>

2016 Iowa State University, "Herbicide use may restrict grazing options for cover crops":

<https://store.extension.iastate.edu/Product/Herbicide-use-may-restrict-grazing-options-for-cover-crops>

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