







Soybean 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	Soybean Residue + Cover Crops
2,4-D Amine 4	Cereal Rye Wheat Oats Barley	Cereal Rye Wheat Oats Barley	Cereal Rye Wheat Oats Barley	Soybeans: not stated on label Cover Crops: not stated on label (2,4-D is manufactured by multiple companies; reference your specific label. Some forms do not allow for grazing or feeding)
Authority First/Sonic		Wheat	Wheat	⊘ Soybeans: Do not feed treated soybean forage or hay to livestock. Cover Crops: not stated on label
Cadet	No crop restrictions			⊘ Soybeans: Do not graze or feed treated soybean forage or hay to livestock. Cover Crops: not stated on label
Cobra	No crop restrictions			⊘ Soybeans: Do not feed treated soybean forage or hay to livestock. Cover Crops: not stated on label
Dual II Magnum			Cereal Rye Wheat Oats Barley	Soybeans: Do not graze or feed treated soybean forage, hay, or straw to livestock 30 days following a preemergence application or illegal residues may result. Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application. Cover crops: not stated on label
Flexstar & Flexstar GT 3.5		Cereal Rye Wheat Barley	Cereal Rye Wheat Barley	⊘ Soybeans: Do not graze treated areas or harvest for forage or hay. Cover Crops: Do not graze rotated small grain crops or harvest forage or straw for livestock.
Liberty	Cereal Rye Wheat Oats Barley Triticale Brassicas	Cereal Rye Wheat Oats Barley Triticale Brassicas	Cereal Rye Wheat Oats Barley Triticale Brassicas	⊘ Soybeans: Do not graze the treated crop or cut for hay. Cover Crops: not stated on label
Marvel		Cereal Rye Wheat Barley	Cereal Rye Wheat Barley	⊘ Soybeans: Do not graze treated soybean forage or hay to livestock Cover Crops: Do not graze rotated small grain crops or harvest forage or straw for livestock.
Outlook		Cereal Rye Wheat Oats Barley Triticale	Cereal Rye Wheat Oats Barley Triticale	⊘ Soybeans: Do not graze or feed forage, hay, or straw to livestock. Cover crops: not stated on label

Resource	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	 Soybeans: Do not graze treated fields or harvest for forage or hay. Cover Crops: not stated on label
Roundup Power Max	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Soybeans: If the pre-harvest application rate is greater than 22 fluid ounces per acre , do not graze or harvest hay or fodder within the application area for livestock feed within 25 days of application. If the application rate is 22 fluid ounces per acre or less , the grazing restriction is reduced to 14 days after application. Cover Crops: not stated on label (Roundup/glyphosate herbicides come in many versions; reference your specific label)
Ultrablazer	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	Cereal Rye Wheat Oats Barley Triticale Brassicas Legumes	 Soybeans: Do not use treated plants for feed or forage. Cover Crops: not stated on label
Valor XLT		Cereal Rye Wheat Barley	Cereal Rye Wheat Barley	 Soybeans: Do not graze treated fields or feed treated forage or hay to livestock. Cover Crops: not stated on label
Warrant		Wheat	Wheat	 Soybeans: Do not graze treated area or feed treated soybean forage to livestock following application. Cover Crops: Do not graze or harvest winter cover crops for food or animal feed for a minimum of 18 months following last application of this product or any other product containing acetochlor.

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://weedscience.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>

For more information, contact:

Meghan Filbert, Livestock Coordinator

Practical Farmers of Iowa

meghan@practicalfarmers.org or 515-232-5661