



COVER CROP TERMINATION

Will it winterkill?

Yes	Maybe	No
Oilseed radish, turnip, kale	Canola, rapeseed	Red clover
Berseem clover	Field pea	Hairy vetch
Japanese millet, pearl millet	Annual ryegrass	Winter barley, triticale, wheat, rye
Sorghum-sudangrass	Sweet clover	
Buckwheat	Crimson clover	
Spring barley, oats		

Specific herbicide recommendations

Annual ryegrass

- Spray before 8" tall, 4"-6" preferred, difficult after 1st node is developed.
- Minimum 1.25-1.5 lb. ae/a glyphosate
- Temperatures above 60 degrees F for 3 days and no nights below 40° F.
- 10-15 GPA, flat fan nozzles, spray 4 hours prior to sunset.

Cereal rye and oats

- Spray prior to boot stage
- 0.75 lb. ae/a glyphosate up to 18" tall
- Temperatures above 55° F for 3 days and no nights below 40° F.

Winter wheat

- 1.1-1.5 lb. ae/a glyphosate up to 18" tall
- Temperatures above 55° F for 3 days and no nights below 40° F.

Hairy vetch and winter pea

- 0.75-1.1 lb. ae/a glyphosate + 1 pt./a 2,4-D or dicamba

Alfalfa and red clover

- 1.1-1.5 lb. ae/a glyphosate + 0.5 lb./a 2,4-D, + 0.25-0.5 ae/a dicamba

Spring forage harvest of rye and annual ryegrass

- 1.13 lb. ae/a glyphosate
- Harvest followed by glyphosate (same day) provides successful termination of both species.
- Glyphosate application prior to harvest of cereal rye or annual ryegrass is illegal.

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Mechanical termination

Cover crop	Rolling/crimping?	Mowing?	Tillage?
Canola, rapeseed	No	No	Yes
Red clover	No	No	Maybe
Sweet clover	No	No	Maybe
Field pea	No	Yes	Yes
Hairy vetch	Yes (full bloom)	No	Yes
Annual ryegrass	No	No	Yes
Winter cereals, spring cereals	Yes (milk -dough stage)	Yes	Yes

Herbicide termination considerations

Cover crop species: Grass, legume, non-legume, mixture

Cover crop growth stage: Taller generally requires higher rates

Weed species present: Match burndown

Crop to be planted: Plant back restrictions!

Weather conditions at application: Cooler, wetter, cloudy

Type of herbicide used: Contact or translocated

Roundup Ready 2 Xtend soybean

- FeXapan, Engenia or XtendiMax can be used as a burndown application without a planting interval.
- If you use Banvel, Clarity and DiFlexx, you must keep a soybean planting interval of 14 to 60 days depending on the product and its use rate; it doesn't matter if you planted RR2 Xtend.
- Using a dicamba product for spring burndown application is not recommended when planting Roundup Ready, Liberty Link or conventional soybeans.

Corn and dicamba

- **Conventional tillage:** Avoid contact with seed. After planting, if planted less than 1.5 inches, delay application until corn has emerged.
- **No-tillage:** Apply to weeds before, during or after planting a corn crop. When planting into a legume sod, apply after 4"-6" of regrowth.

Always read and follow the label!