

Cover Crop Options for Wet Soils

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Table 3. Common soybean herbicides, their half lives, and potential to injure fall-seeded cover crops.

Herbicide	Common name	Group #	Half Life (days)*	Cover Crops (OK to Plant)	Cover Crops (Concern For)	Other
Assure II	quizalofop	1	60	OK to plant most broadleaves	Concern for all grasses if less than 120 days or at high rates	Plant anything after 120 days
Canopy Pro	chlorimuron + metribuzin	2, 5	40		Winter rye, winter wheat and somewhat on oats, small seeded legumes, mustards, sorghum, buckwheat	More persistent in high pH soils (> 7) and with higher soil applied rates
Command	clomazone	13	16-36	Oilseed radish	Winter rye, winter wheat and somewhat on oats	
FirstRate	cloransulam	2	8-33	Wheat, triticale, rye	Small seeded legumes, mustards, sorghum, buckwheat	
Guardian	chlorimuron	2	40	Cereals and ryegrass	Small seeded legumes, mustards, sorghum, buckwheat	More persistent in high pH soils (> 7) and with higher soil applied rates
Pinnacle	thifensulfuron	2	12	No restriction for wheat, barley and oats	None with 45 day waiting interval	
Pursuit	imazethapyr	2	60-90	Wheat, triticale, rye, alfalfa, clover	Oats, sorghum, mustards, buckwheat	Any crop can be planted 40 months after Pursuit application
Reflex	fomesafen	14	100	Cereal grains	Small seeded legumes, mustards, tillage radish, sorghum	Since fomesafen is often applied postemergence, soil activity can surprise users

Select (Arrow)	clethodim	1	3	All broadleaves	None assuming at least 30 days	Plant anything after 30 days
Sencor 75 DF	metribuzin	5	14-60	Cereal grains and ryegrass	Slight risk for small seeded legumes and mustards	Nonfood/feed winter cover crops allowed
Treflan	trifluralin	3	45	Annual ryegrass, oats	buckwheat	
Valtera	flumioxazin	14	12-20	All grasses	Small seeded legumes and mustards	Based on the half-life, all nonfood/feed winter cover crops should be OK

* Herbicide half-life estimates derived from the WSSA Herbicide Handbook, 2007 or other scientific literature.

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