



Appendix

Alabama Pest Management Handbook for 2009

Table 1. Preharvest Intervals (PhI) for Postemergence Herbicide Applications on Field Corn, Grain Sorghum, and Wheat

Chemical Trade Name	Minimum Days from Last Application to Harvest			Chemical Trade Name	Minimum Days from Last Application to Harvest		
	Field Corn	Grain Sorghum	Wheat		Field Corn	Grain Sorghum	Wheat
2,4-D	NIL	NIL	NIL	Express	N/A	N/A	45
Accent	NIL	N/A	N/A	Gramoxone/ Firestorm (PDS)	NIL	N/A	N/A
Achieve	N/A	N/A	60	Harmony Extra	N/A	N/A	45
Atrazine	NIL	NIL	N/A	Hoelon	N/A	N/A	77
Banvel	NIL	NIL	N/A	Lorox	NIL	NIL	N/A
Basagran	NIL	NIL	N/A	Peak	N/A	NIL	NIL
Beacon	60	N/A	N/A	Permit	NIL	NIL	N/A
Buctril	NIL	N/A	NIL	Princep	NIL	N/A	N/A
Evik	NIL	N/A	N/A	Prowl	NIL	N/A	N/A

KEY TO ABBREVIATIONS

NIL = No preharvest interval is listed on label
 N/A = Do not apply this chemical to the crop indicated
 PDS = Post Directed Spray

Table 2. Preharvest Intervals (PHI) for Postemergence Herbicide Applications on Cotton, Peanuts, and Soybeans

Chemical Trade Name	Minimum Days from Last Application to Harvest			Chemical Trade Name	Minimum Days from Last Application to Harvest		
	Cotton	Peanuts	Soybeans		Cotton	Peanuts	Soybeans
2,4-DB	N/A	45	60	Lorox	N/A	N/A	60
Assure II	80	N/A	80	Meturon (PDS)	60	N/A	N/A
Basagran	N/A	NIL	NIL	MSMA (PDS)	NIL	N/A	N/A
Buctril (BXN)	60	N/A	N/A	Poast	N/A	40	N/A
Butyrac 200	N/A	45	60	Poast Plus	40	40	75
Cadre	N/A	90	N/A	Prowl	NIL	NIL	NIL
Caparol (PDS)	NIL	N/A	N/A	Pursuit	N/A	85	85
Classic	N/A	NIL	60	Reflex	N/A	N/A	NIL
Cobra	70	N/A	90	Roundup Weather Max	N/A	N/A	7
Cotoran (PDS)	60	N/A	N/A	Scepter	N/A	N/A	90
Firestorm	N/A	NIL	NIL	Scepter O.T.	N/A	N/A	90
First Rate	N/A	N/A	65	Select	60	N/A	60
Flexstar	N/A	N/A	NIL	Staple	60	N/A	N/A
Fusilade DX	90	N/A	NIL	Storm	N/A	75	50
Fusion	90	N/A	NIL	Strongarm	N/A	30	N/A
Goal (PDS)	75	N/A	N/A	Touchdown	NIL	N/A	7
Gramoxone Max	N/A	28	15	Tough	N/A	68	N/A
Karmex (PDS)	NIL	N/A	N/A	Typhoon	N/A	N/A	NIL
				Ultra Blazer	N/A	75	50

KEY TO ABBREVIATIONS

NIL = No preharvest interval is listed on label

N/A = Do not apply this chemical to the crop indicated

PDS = Post Directed Spray

Table 3. Rainfree Requirements Following Postemergence Herbicide Applications on Field Corn, Grain Sorghum, and Wheat

Chemical Trade Name	Minimum Hours from Application to Rainfall/Irrigation			Chemical Trade Name	Minimum Hours from Application to Rainfall/Irrigation		
	Field Corn	Grain Sorghum	Wheat		Field Corn	Grain Sorghum	Wheat
2,4-D	12 ¹	12 ¹	12 ¹	Firestorm (PDS)	0.5	N/A	N/A
Accent	4	N/A	N/A	Gramoxone (PDS)	0.5	N/A	N/A
Achieve	N/A	N/A	1	Harmony Extra	N/A	N/A	4
Atrazine	12 ¹	12 ¹	N/A	Hoelon	N/A	N/A	1
Banvel	12 ¹	12 ¹	N/A	Lorox	12 ¹	12 ¹	N/A
Basagran	8	8	N/A	Sandea	4	4	N/A
Beacon	4	N/A	N/A	Peak	N/A	4	4
Buctril	1	1	1	Princep	12 ¹	N/A	N/A
Evik	12 ¹	N/A	N/A	Prowl	0	N/A	N/A
Express	4	N/A	N/A				

¹Products with no rainfree requirements listed on label were assigned a time interval of 12 hours.

KEY TO ABBREVIATIONS

N/A = Do not apply this chemical to the crop indicated

PDS = Post Directed Spray

Table 4. Rainfree Requirements Following Postemergence Herbicide Applications on Cotton, Peanuts, and Soybeans

Chemical Trade Name	Minimum Hours from Application to Rainfall/Irrigation			Chemical Trade Name	Minimum Hours from Application to Rainfall/Irrigation		
	Cotton	Peanuts	Soybeans		Cotton	Peanuts	Soybeans
2,4-DB	N/A	6	6	Karmex (PDS)	12 ¹	N/A	N/A
Assure II	1	N/A	1	Lorox	N/A	N/A	12 ¹
Basagran	N/A	8	8	Meturon (PDS)	12 ¹	N/A	N/A
Buctril (BXN)	1	N/A	N/A	MSMA	12 ¹	N/A	N/A
Butyrac 200	N/A	6	6	Poast	N/A	1	1
Cadre	N/A	1	N/A	Poast Plus	1	1	1
Caparol (PDS)	12 ¹	N/A	N/A	Pursuit	N/A	1	N/A
Classic	N/A	1	1	Reflex	N/A	N/A	1
Cobra	1	N/A	1	Roundup Weather Max	NIL	N/A	NIL
Cotoran (PDS)	12 ¹	N/A	N/A	Scepter	N/A	N/A	8
Firestorm	N/A	0.5	0.5	Scepter O.T.	N/A	N/A	8
First Rate	N/A	N/A	2	Select	1	N/A	1
Flexstar	N/A	N/A	1	Staple	4	N/A	N/A
Fusilade DX	1	N/A	1	Storm	N/A	8	8
Fusion	1	N/A	1	Strongarm	N/A	NIL	N/A
Goal	8	N/A	N/A	Touchdown	NIL	N/A	NIL
Gramoxone Max	N/A	0.5	0.5	Ultra Blazer	N/A	6	6

¹Products with no rainfree requirements listed on label were assigned a time interval of 12 hours.

KEY TO ABBREVIATIONS

N/A = Do not apply this chemical to the crop indicated

NIL = No Information on Label

PDS = Post Directed Spray

Table 5. Forage, Feed, and Grazing Restrictions for Herbicide-Treated Field Corn, Grain Sorghum, and Wheat

Chemical Trade Name	Minimum Days from Application to Harvesting for Forage or Grazing			Chemical Trade Name	Minimum Days from Application to Harvesting for Forage or Grazing		
	Field Corn	Grain Sorghum	Wheat		Field Corn	Grain Sorghum	Wheat
2,4-D	7	7	14	Harmony Extra	N/A	N/A	DNFG
Accent	30	N/A	N/A	Harness	NIL	N/A	N/A
Achieve	N/A	N/A	45	Hoelon	N/A	N/A	DNFG
Atrazine	21	21	N/A	Intrro	NIL	70	N/A
Banvel	NIL	NIL	37	Lorox	90	90	N/A
Basagran	12	12	N/A	Peak	N/A	30-40	30-40
Beacon	30-45	N/A	N/A	Permit	30	30	N/A
Bicep II	30	N/A	N/A	Princep	DNFG	N/A	N/A
Buctril	30	N/A	30	Prowl	NIL	21	N/A
Dual II Magnum	30	NIL	N/A	Roundup Weather Max	56	DNFG	56
Evik	30	N/A	N/A	Surpass	NIL	N/A	N/A
Express	N/A	N/A	DNFG	Sutan +	NIL	N/A	N/A
Frontier/Outlook	40	N/A	N/A	TopNotch	NIL	N/A	N/A
Gramoxone Max	NIL	NIL	N/A				

KEY TO ABBREVIATIONS

N/A = Do not apply this chemical to the crop indicated

NIL = No preharvest interval is listed on label

DNFG = Do not feed or graze

Table 6. Forage, Feed, and Grazing Restrictions for Herbicide-Treated Cotton and Peanuts

Chemical Trade Name	Minimum Days from Application to Harvesting for Forage or Grazing		Chemical Trade Name	Minimum Days from Application to Harvesting for Forage or Grazing	
	Cotton	Peanuts		Cotton	Peanuts
2,4-DB	N/A	DNGF	Intrro	N/A	NIL
Assure II	DNGF	N/A	Meturon	DNGF	N/A
Basagran	N/A	NIL	MSMA	DNGF	N/A
Buctril (BXN)	DNGF	N/A	Poast	N/A	DNGF
Cadre	N/A	DNGF	Poast Plus	DNGF	DNGF
Caparol	DNGF	N/A	Prowl	DNGF	NIL
Cobra	DNGF	N/A	Pursuit	N/A	DNGF
Command	DNGF	N/A	Roundup Weather Max	NIL	N/A
Cotoran	DNGF	N/A	Select	DNGF	N/A
Dual	DNGF	NIL	Sonalan	N/A	DNGF
Firestorm	N/A	DNGF	Staple	DNGF	N/A
Frontier	N/A	80	Storm	N/A	DNGF
Fusilade DX	DNGF	N/A	Strongarm	N/A	DNGF
Fusion	DNGF	N/A	Touchdown	DNGF	N/A
Goal	DNGF	N/A	Treflan	NIL	N/A
Gramoxone Max	DNGF	DNGF	Ultra Blazer	N/A	DNGF
Karmax	DNGF	N/A	Zorial/Solicam	DNGF	NIL

KEY TO ABBREVIATIONS

N/A = Do not apply this chemical to the crop indicated

NIL = No preharvest interval is listed on label

DNGF = Do not graze treated fields or feed treated forage or hay to livestock

Table 7. Forage, Feed, and Grazing Restrictions for Herbicide-Treated Soybeans

Chemical Trade Name	Minimum Days from Application to Harvesting for Forage or Grazing	Chemical Trade Name	Minimum Days from Application to Harvesting for Forage or Grazing
Assure II	DNGF	Lorox	DNGF
Basagran	30	Poast Plus	DNGF
Butyrac 200	60	Prowl	0
Canopy	DNGF	Pursuit	DNGF
Classic	DNGF	Reflex	DNGF
Cobra	DNGF	Roundup Weather Max*	25
Command	DNGF	Scepter*	DNGF
Dual	NIL	Scepter O.T.	DNGF
First Rate	DNGF	Select	DNGF
Flexstar	DNGF	Squadron	DNGF
Frontier/Outlook	DNGF	Touchdown	DNGF
Fusilade DX	DNGF	Trifluralin	DNGF
Fusion	DNGF	Turbo	DNGF
Gramoxone Max	DNGF	Ultra Blazer	DNGF
Intro	DNGF		

KEY TO ABBREVIATIONS

NIL = No preharvest interval is listed on label

DNGF = Do not graze treated fields or feed treated forage or hay to livestock

* = Use on Roundup Ready soybeans only

Table 8. Guidelines for Crop Rotation in Fields Previously Treated with Herbicides

Chemical Trade Name	Planting Intervals Following Herbicide Application by Crops						Remarks
	Field Corn	Cotton	Peanuts	Sorghum	Soybeans	Wheat	
2,4-D amine	14 days*	NIL	NIL	NIL	15-30 days*	NIL	*See label for rate and timing.
Accent	None	10 months	10 months	10 months (≤ 7.5 pH)	15 days	4 months	
Achieve	106 days	106 days	106 days	106 days	106 days	30 days	
Assure II	120 days	None	120 days	120 days	None	120 days	
Atrazine (AAtrex)	None	FY	FY	None	FY	FY	If applied after June 10, rotate only to corn or sorghum the following year. Do not plant vegetables, dry beans, or small-seeded legumes and grasses the following year. Injury may develop on soybeans on soils with a calcareous surface layer.
Banvel	FY	See label.	See label.	FY	FY	Fall	In areas with greater than 30 inches of rainfall, delay planting soybeans for 30 days per pint of Banvel per treated acre.
Basagran	NIL	NIL	NIL	NIL	None	NIL	
Beacon	14 days	8 months	8 months	8 months	8 months	3 months	Crop injury may occur if dry weather prevails during much of the time between applying Beacon and seeding sorghum, alfalfa, or wheat.
Buctril	FY	FY	FY	FY	FY	FY	
Butoxone	NIL	NIL	NIL	NIL	NIL	NIL	
Cadre	9 months	18 months	None	18 months	9 months	4 months	
Canopy	10 months	10 months	8 months	10 months	None	4 months	Rotation intervals are based on soil pH of ≤ 7.0 . See label for high pH soils. IR corn may be planted 8 months after application.

continued**KEY TO ABBREVIATIONS**

NIL = No rotation interval is listed on label

FY = Following year

Table 8. Guidelines for Crop Rotation in Fields Previously Treated with Herbicides (cont.)

Chemical Trade Name	Planting Intervals Following Herbicide Application by Crops						Remarks
	Field Corn	Cotton	Peanuts	Sorghum	Soybeans	Wheat	
Caparol	FY	None	FY	FY	FY	18 months	Wheat as a cover crop may be planted in the fall following cotton treated by only one of these methods: preplant incorporated, preemergence, or only one chemical hoe treatment. If layby or multiple herbicide applications were made, do not plant rotational crops until the following year. Cover crops must be plowed down and not used for food or feed.
Classic	7 months	8 months	6 months	9 months	None	3 months	If applied after August 1, extend recrop interval by 2 months on corn, cotton, and sorghum.
Cobra	NIL	NIL	NIL	NIL	NIL	NIL	No crop rotation guidelines are listed on label.
Command	9 months	9 months	9 months	9 months	None	12 months	Cover crops may be planted anytime, but stand reduction may occur.
Cotoran	6 months	None	6 months	6 months	6 months	6 months	Do not make more than three applications to the same crop or field in any one year.
Cotton Pro	FY	None	FY	FY	FY	18 months	Wheat as a cover crop may be planted in the fall following herbicide treatment by only one of these methods: preplant incorporated, preemergence, or only one chemical hoe treatment. Cover crops must be plowed down and not used for food or feed.
Cy-Pro	None	FY	FY	30 days	FY	Fall	If crop stand is lost due to adverse weather, insects, etc., field can be replanted to corn or sorghum. If sorghum, allow at least 30 days between treatment and planting.
Direx	FY	FY	12 months	FY	FY	12 months	
Dual II Magnum	None	12 months	None	None	None	4.5 months	If crop treated with Dual alone is lost, any crop on the label may be planted immediately.
Evik	FY	FY	FY	FY	FY	Fall	
Express	60 days	60 days	60 days	60 days	60 days	None	
First Rate	9 months	9 months	9 months	9 months	None	3 months	
Flexstar	10 months	10 months	10 months	10 months	None	4 months	

continued**KEY TO ABBREVIATIONS**

NIL = No rotation interval is listed on label

FY = Following year

Table 8. Guidelines for Crop Rotation in Fields Previously Treated with Herbicides (cont.)

Chemical Trade Name	Planting Intervals Following Herbicide Application by Crops						Remarks
	Field Corn	Cotton	Peanuts	Sorghum	Soybeans	Wheat	
Frontier/Outlook	None	FY	FY	FY	None	4 months	There are no rotation restrictions for the spring following application.
Fusilade DX	60 days	None	NIL	60 days	None	60 days	Do not plant any rotation grass crop, such as cereals, within 60 days of last application.
Fusion	60 days	None	NIL	60 days	None	60 days	Do not plant any rotation grass crop, such as cereals, within 60 days of last application.
Goal	10 months	7 days	60 days	10 months	7 days	10 months	
Gramoxone Max	None	None	None	None	None	None	
Harmony Extra	60 days	60 days	60 days	60 days	60 days	None	
Harness	None	NIL*	FY	FY	FY	Fall	*Do not rotate to cotton.
Hoelon	NIL	NIL	NIL	NIL	NIL	None	
Karmex	FY	FY	12 months	FY	FY	12 months	Do not plant treated area to any other crop within one year.
Intrro	None	12 months	None	None	None	4 months	Grain sorghum seed must be screen-treated.
Liberty	None	120 days	120 days	70 days	None	70 days	
Lightning	8.5 months	See label.	9.5 months	18 months	9.5 months	4 months	
Lorox	4 months	4 months	4 months	4 months	None	4 months	
MCPA Amine	NIL	NIL	NIL	NIL	NIL	NIL	
Meturon	6 months	None	6 months	6 months	6 months	6 months	Do not make more than three applications to the same crop or field in any one year.
MSMA	NIL	NIL	NIL	NIL	NIL	NIL	
Peak	1 month	10 months	10 months	1 month	10 months	None	
Pentagon	None	None	None	FY	None	4 months	Most other crops may be planted the following year. Injury may occur when replanting corn due to stand failure. See label.

continued

KEY TO ABBREVIATIONS

NIL = No rotation interval is listed on label

FY = Following year

Table 8. Guidelines for Crop Rotation in Fields Previously Treated with Herbicides (cont.)

Chemical Trade Name	Planting Intervals Following Herbicide Application by Crops						Remarks
	Field Corn	Cotton	Peanuts	Sorghum	Soybeans	Wheat	
Permit	1 month	4 months	6 months	2 months	9 months	2 months	
Poast	120 days	None	None	120 days	None	120 days	
Poast Plus	NIL	NIL	NIL	NIL	NIL	NIL	
Princep	None	FY	FY	FY	FY	FY	Treated fields may be rotated only to corn unless stated otherwise on the label.
Prowl	None	None	None	FY	None	4 months	Most other crops may be planted the following year. Injury may occur when replanting corn due to stand failure. See label.
Pursuit	9.5 months	18 months	None	18 months	None	4 months	IMI-Corn (resistant/tolerant to Pursuit) has no restrictions.
Python	None	18 months	4 months	12 months	None	4 months	
Reflex	10 months	10 months	10 months	10 months	None	4 months	
Roundup Weather Max	None	None	None	None	None	None	
Scepter, Scepter O.T.	11 months	18 months	11 months	11 months	None	4 months	Field corn may be planted in spring of year following herbicide application unless fewer than 15 inches of rainfall or irrigation was received during the 6 months following last application.
Select	NIL	None	NIL	NIL	None	NIL	
Sonalan	FY	FY	None	FY	None	4 months	
Squadron	11 months	18 months	11 months	11 months	None	4 months	Field corn may be planted in spring of year following herbicide application unless fewer than 15 inches of rainfall or irrigation was received during the 6 months following last application.

continued**KEY TO ABBREVIATIONS**

NIL = No rotation interval is listed on label

FY = Following year

Table 8. Guidelines for Crop Rotation in Fields Previously Treated with Herbicides (cont.)

Chemical Trade Name	Planting Intervals Following Herbicide Application by Crops						Remarks
	Field Corn	Cotton	Peanuts	Sorghum	Soybeans	Wheat	
Staple	9 months	None	10 months	18 months	10 months	4 months	Do not rotate to grain sorghum in the season following application. Field corn grown for grain or silage may be planted at indicated intervals provided Staple was applied on a band not exceeding 50 percent of row width and fields are deep plowed before planting.
Storm	NIL	NIL	None	NIL	None	NIL	In case of crop failure, only soybeans or peanuts may be replanted immediately. Root crops must not be planted in treated fields for 18 months.
Strongarm	18 months	10 months	None	18 months	None	4 months	
Surpass	None	NIL*	NIL	FY	FY	4 months	*Do not rotate to cotton.
Surpass 100	None	NIL*	NIL	FY	FY	15 months	*Do not rotate to cotton.
Tillam	NIL	NIL	NIL	NIL	NIL	NIL	
Touchdown	35 days	None	NIL	35 days	None	35 days	
Treflan	FY	None	NIL	12 months	None	NIL	Unless crop injury is acceptable, do not plant proso millet, sorghum (milo), oats, or perennial grass crops or grass mixtures for 12 months after a spring application or 14 months after a fall application.
Tri-Scept	11 months	18 months	11 months	11 months	None	4 months	Field corn may be planted in spring of the year following application unless fewer than 15 inches of rainfall or irrigation was received during the 6 months following last application.
Turbo	8 months	8 months	12 months	12 months	None	4.5 months	
Ultra Blazer	NIL	NIL	None	NIL	None	NIL	In case of crop failure, only peanuts or soybeans may be immediately replanted. Root crops (carrots, turnips, sweet potatoes, etc.) must not be planted for 18 months in fields treated with Ultra Blazer.
Zorial/Solicam	16 months	None	30 days	16 months	45 days	16 months	

KEY TO ABBREVIATIONS

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FY = Following year

Table 9. Grazing Restrictions on Commonly Used Herbicides

Herbicide	Crop	Minimum Days from Last Application to Grazing
2,4-D	Pasture (non-lactating cattle)	None
	Pasture (lactating dairy cattle)	7-14
2,4-DB	Peanuts	Do not graze
AAtrex 90DF, 4L (pre, post)	Corn	21
Accent	Corn	30
Achieve	Wheat	45
Ally	Pasture	1
Arsenal (pre)	Non-crop areas	Do not graze
Assure II	Soybeans	Do not graze
Banvel (post)	Corn, sorghum before harvest	Do not graze
	Small grains before harvest	Do not graze
Banvel (post) 1 pint	Pasture (non-lactating cattle)	None
	Pasture (lactating dairy cattle)	7
Banvel (post) 1 quart	Pasture (lactating dairy cattle)	21
Basagran + 2,4-DB (post)	Peanuts	Do not graze
Basagran 4EC (post)	Soybeans, peanuts, corn, sorghum	None
Beacon	Corn	30
Buctril 4EC	Corn, small grains	Do not graze
Cadre	Peanuts	Do not graze
Canopy (pre)	Soybeans	Do not graze
Caparol 80W, 4L (pre)	Cotton	Do not graze
Casoron 4G, 50W (pre)	All crops	Do not graze
Classic (post)	Soybeans	Do not graze
Cobra	Soybeans	Do not graze
Command	Cotton	Do not graze
	Soybeans	9 months
Cotoran 80W, 4L (pre)	Cotton	Do not graze
Crossbow	Hay (not dairy cattle)	7
	Pasture (non-lactating cattle)	None
	Pasture (dairy cattle)	14
Dacthal 75W (pre)	All crops	Do not graze
Devrinol 50W, 10G (pre)	All crops	Do not graze
Dual 8E (pre)	Pod crops	Do not graze
Envoke	Cotton	Do not graze
Eptam 7E (ppi)	Snapbeans	45
Eradicane 6E (ppi)	Corn	None
Evik (directed)	Corn	30
Express	Wheat	Do not graze
First Rate	Soybeans	14
Flexstar	Soybeans	Do not graze

Herbicide	Crop	Minimum Days from Last Application to Grazing
Fusilade DX	Soybeans, cotton	Do not graze
Garlon	All areas	Do not graze
Goal 1.6E (pre, post)	All crops	Do not graze
Gramoxone (post)	Pasture crops	40
	Row crops	Do not graze
Grazon P+D	Pasture (dairy cattle)	7
Harmony Extra	Wheat, barley	Do not graze
Hoelon (post)	Wheat	Do not graze
Karmex + Zorial (pre)	Cotton	Do not graze
Karmex (pre)	Cotton	Do not graze
Kerb	Alfalfa	25
Intrro (ppi, pre)	Soybeans	40
Liberty	Corn	70 days
Lightning	Corn	45 days
Lorox + Dual + Gramoxone	Soybeans	Do not graze
Lorox + Dual (pre)	Soybeans	Do not graze
Lorox + 2,4-DB (directed)	Soybeans	Do not graze
Lorox (post directed)	Cotton	Do not graze
Lorox (pre)	Soybeans	None
MSMA (post)	Noncrop areas	Do not graze
Option	Corn	45 days
Oust	Noncrop areas	Do not graze
Outlook	Corn	40 days
Peak	Corn	40
Poast 1.5E/Poast Plus (post)	All crops	Do not graze
Prefar 4E (ppi, pre)	All crops	Do not graze
Princep 90, 4L (pre)	Corn, pecans	Do not graze
Prowl + Dual (ppi, pre)	Soybeans	Do not graze
Prowl + Lorox (pre)	Soybeans	None
Prowl Pendimax (ppi)	Cotton	Do not graze
Prowl Pendimax (ppi, pre)	Soybeans	None
	Fruits and nuts	Do not graze
Pursuit	Peanuts	Do not graze
Python	Corn	Do not graze
	Soybeans	Do not graze
Reflex	Soybeans	Do not graze
Remedy	Hay (not dairy cattle)	7
	Pasture (non-lactating cattle)	None
	Pasture (dairy cattle)	14

Herbicide	Crop	Minimum Days from Last Application to Grazing
Roundup (post)	Hay, pasture	56
Roundup (preharvest)	Cotton	Do not graze
	Other row crops	56
Roundup (spot treat)	Hay, pasture	14
Sandea	Corn	30
Scepter (ppi, pre, post)	Soybeans	Do not graze
Select	Peanuts, Soybeans	Do not graze
Sencor DF + Dual (ppi, pre)	Soybeans	40
Sencor DF + Gramoxone (min-till)	Soybeans	40
Sencor DF + Intro 4E (ppi, pre)	Soybeans	40
Sencor DF + Prowl 3.3E (ppi, pre)	Soybeans	40
Sencor DF + Sonalan (ppi)	Soybeans	Do not graze
Sencor DF + Treflan (ppi)	Soybeans	40
Solicam DF	Pecans, tree fruits	Do not graze
Sonalan EC	Soybeans, peanuts	Do not graze
Spike Brush Bullets (16/100 sq. ft.)	Woody plants	None
Staple	Cotton	Do not graze
Strongarm	Peanuts	Do not graze
Surflan AS (pre)	All crops	Do not graze
Sutan 6.7E (ppi)	Corn	None
Tillam 6E (ppi)	Tomatoes	Do not graze
Tordon	All areas	Do not graze
Touchdown	Cotton	Do not graze
Tough	Peanuts	68
Treflan EC	Soybeans	40
Ultra Blazer (post)	Soybeans, peanuts	Do not graze
Valor	Peanuts	Do not graze
Velpar L	Noncrop areas	Do not graze
Zorial 80DF	Cotton, soybeans	Do not graze

* NOT INCLUSIVE. Read product label for a complete listing of all restrictions.

KEY TO ABBREVIATIONS

ppi = preplant incorporated
pre = preemergence
post = postemergence
min-till = minimum tillage

Table 10. Rotation Restrictions on Commonly Used Herbicides

Herbicide	Rotational Crops	Time Restriction
2,4-D	Crops not on label	12 months
2,4-DB	Crops not on label	12 months
Accent	Crops not on label	18 months
	Soybeans	0.5 month
	Wheat, barley, rye	4 months
	Oats	8 months
	Beans, peas, cotton	10 months
Achieve	Most row crops	3.5 months
Ally	Crops not on label	4-22 months
Arsenal	None	Bioassay after 3 years
Assure	Crops not on label	4 months
Atrazine	Crops not on label	12 months
	Application made after 6/10	18 months
Banvel	Soybeans, wheat	2 months
	Crops not on label	12 months
Basagran	Crops not on label	12 months
Beacon	Crops not on label	18 months
	Wheat, barley, rye	3 months
	Sweet corn, cotton, peanuts	8 months
	soybeans, peas, beans, sorghum	
Buctril	Crops not on label	1 month
Cadre	Rye, wheat	4 months
	Field corn, peas, soybeans	9 months
	Sweet corn, cotton, oats, sorghum	18 months
	Others	26+ months
Canopy (pH<6.8)	Wheat, barley	4 months
	Corn, cotton, sorghum	10 months
Canopy (pH>6.8)	Corn, cotton, sorghum	18 months
	Peanuts	18 months
	All other crops	30 months
Caparol	Crops not on label	6-12 months
Casoron	Crops not on label	12 months
Classic (pH<6.8)	Wheat, barley	3 months
	Corn, cotton, sorghum, peanuts	9 months
	All other crops	18 months
Command	Field corn, sorghum	9 months
	Small grains	12 months
Cotoran	Crops not on label	6 months
Crossbow	None	12 months
Dacthal	Crops not on label	8 months
Devrinol	Crops not on label	12 months

Herbicide	Rotational Crops	Time Restriction
Dual	Crops not on label	18 months
Envoke	Wheat	3 months
	Peanuts, soybeans, corn	7 months
	Crops not on label	18 months
Eptam	Crops not on label	12 months
Eradicane	Crops not on label	12 months
Evik	Small grains	6 months
	Crops not on label	12 months
Express	Most row crops	1.5 months
FirstRate	Wheat	3 months
	Field corn, cotton, peanuts, sorghum, peas	9 months
	Sweet corn	18 months
Fusilade	Crops not on label	2 months
Garlon	None	Bioassay after 24 months
Goal	Crops not on label	18 months
Gramoxone	Crops labeled	None
Grazon P+D	Crops not on label	24 months
Harmony Extra	Crops not on label	2 months
Hyvar	Crops not on label	24 months
Karmex	Crops not on label	24 months
Intrro	Crops not on label	12 months
Linex/Lorox	Crops not on label	4 months
MSMA	Crops not on label	12 months
Oust	Crops not on label	Bioassay after 24 months
Poast/Poast Plus	Crops not on label	4 months
Prefar	Soybeans	12 months
	Other crops not on label	18 months
Princep/Simazine	Crops not on label	12 months
Prowl/Pendimax	Wheat (conventionally planted)	4 months
	Other crops not on label	12 months
Pursuit	Rye, wheat	4 months
	Field corn	8.5 months
	Sweet corn, cotton, oats, sorghum	18 months
	Other crops not on label	26+ months
Python	Peas, beans, peanuts, small grains	4 months
	Popcorn, forage grasses	9 months
	Potatoes, sorghum	12 months
	Cotton, sweet corn, sunflowers	18 months
Reflex/Flexstar	Small grains (grain production only)	4 months
	Corn, cotton, peanuts	10 months
	Other crops not on label	18 months

Herbicide	Rotational Crops	Time Restriction
Sandea	Wheat, barley, oats	2 months
	Cotton	4 months
	Peanuts	6 months
	Peas, beans, potatoes, soybeans	9 months
Scepter	Wheat	3 months
	Field corn	9.5 months
	Barley, beans, oats, peanuts, sorghum	11 months
	Cotton	18 months
Sencor	Alfalfa, corn, forage grasses, potatoes, tomatoes	4 months
	Wheat	8 months
	Root crops	18 months
	Crops not on label	12 months
Sonalan	Crops not on label	12 months
Spike	None	Bioassay after 36 months
Staple	Wheat	4 months
	Peanuts, soybeans	10 months
	Sorghum, corn (Staple broadcast)	16 months
	Corn (Staple banded)	9 months
Strongarm	Wheat, barley	4 months
	Oats, rye	6 months
	Cotton	10 months
	Corn, sorghum	18 months
Surflan	Crops not on label	12 months
Tillam	Crops not on label	12 months
Tordon	None	Bioassay after 36 months
Treflan	Crops not on label	5 months
Ultra Blazer	Root crops	18 months
Velpar	Corn	12 months
	Crops not on label	24 months

* NOT INCLUSIVE. Read product label for a complete listing of all rotational restrictions.