

# TABLE 12 – Herbicide Crop Rotation Restrictions

	SOIL pH RESTRICTION	(in months)													
		SOYBEANS	FIELD CORN	SEED CORN	WHEAT	OATS	BARLEY	RYE	ALFALFA	DRY BEANS	SUGAR BEETS	POTATOES	CANOLA	CUCUMBERS	TOMATOES
Accent	None	0.5	0	0	4	8	8	4	10	10	10/18 <sup>k</sup>	10/18 <sup>k</sup>	10/18 <sup>k</sup>	10/18 <sup>k</sup>	10/18 <sup>k</sup>
Accent Gold/ Accent Gold WDG	None	10.5 <sup>l</sup>	0	10.5	4	8	8	4	10.5 <sup>z</sup>	10.5 <sup>l</sup>	26 <sup>q</sup>	18	26 <sup>q</sup>	26 <sup>q</sup>	26 <sup>q</sup>
Aim EW	None	0	0	0	0	0	0	0	ap	ap	ap	ap	ap	ap	ap
Atrazine° 1 lb a.i./A	None	10	0	0	3	21	21	3	15	21	21	10	21	21	21
Atrazine° 2 lb a.i./A	None	18	0	0	15	21	21	15	21	21	33	18	33	33	33
Authority	None	0	10	10 <sup>n</sup>	4	30	4	4	12 <sup>ag</sup>	12	30	30	30	18	30
Axiom	None	0	0	0	12	12	12	12	12	12	18	1	12	12	12
Basis	None	0.5	0	–	4	8	8	–	10	8	10	4	18	18	18
Basis Gold <sup>ab</sup>	None	10	0	10	10 <sup>aa</sup>	–	10 <sup>aa</sup>	10 <sup>aa</sup>	18	18	18	18	18	18	18
Beacon	None	8	0.5 <sup>g</sup>	–	3	8	8	3	8	8	18 <sup>v</sup>	8 <sup>ac</sup>	18 <sup>v</sup>	18 <sup>v</sup>	18 <sup>v</sup>
Boundary	≥7.5	0	8	8	4.5 <sup>aj</sup>	12	4.5 <sup>aj</sup>	12	4.5	12	18	8	12	12	12
Callisto	None	10	0	0	4	4	4	4	10	18	18	10	10	18	18
Camix <sup>as</sup>	None	aq	0	0	4.5	aq	4.5	4.5	18	18	18	aq	18	18	18
Canopy SP	>6.8 <sup>m</sup>	0	10 <sup>x</sup>	10 <sup>n</sup>	4	30	4	4	10 <sup>a</sup>	12	30	30	18	18	10 <sup>i</sup>
Canopy XL	>6.8 <sup>m</sup>	0	10	10 <sup>n</sup>	4	30	12	12	12	12	30	30	30	18	12
Classic <sup>c,w</sup>	>7.0 <sup>w,m</sup>	0	9	9 <sup>n</sup>	3	3	3	3	9	9	30	30	30	18	15 <sup>l</sup>
Command <sup>d</sup> 2pt	≤5.9	0	9 <sup>g,h</sup>	9 <sup>n</sup>	12	16	16	16	16	9	9	9	16	9	9,12 <sup>s</sup>
Curtail	None	10.5 <sup>ahy</sup> 18	1	–	1	1	1	–	10.5	10.5 <sup>ahy</sup> 18	12 <sup>ai</sup>	18	10.5	18	18
Define	None	0	0	0	12	12	12	12	12	12	4	1	12	12	12
Domain	None	0	0	–	12	12	12	12	12	–	–	1	–	–	–
Equip	≥8.5	9	0.5	–	2	9	2	2	18	18	18	18	18	18 <sup>ar</sup>	18 <sup>ar</sup>
FirstRate	None	0	9	9	3	9	30 <sup>ae</sup>	30 <sup>ae</sup>	9	9	30	18	30 <sup>ae</sup>	30 <sup>ae</sup>	30 <sup>ae</sup>
Gangster	None	0	9	9	3	9	30 <sup>ae</sup>	30 <sup>ae</sup>	12	9	30 <sup>ae</sup>	18	30 <sup>ae</sup>	30 <sup>ae</sup>	30 <sup>ae</sup>
Harmony GT	None	0	0	1.5	0	0	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Harness/Suppass/ TopNotch/Degree	None	10	0	0	4	–	–	–	–	–	–	–	–	–	–
Hornet WDG	>7.8 <sup>p</sup>	10.5 <sup>l</sup>	0	–	4	4	4	4	10.5 <sup>l</sup>	10.5 <sup>l</sup>	26 <sup>q</sup>	18	26 <sup>q</sup>	26 <sup>q</sup>	26 <sup>q</sup>
Lightning	None	9.5	8.5	8.5	4	18	9	4	9.5	9.5	40 <sup>**</sup>	26	40 <sup>**</sup>	40 <sup>**</sup>	40 <sup>**</sup>
Lumax <sup>as</sup>	None	aq	0	0	4.5	aq	4.5	4.5	18	18	18	18	18	18	18
Matrix	None	9	1	10	4	9	9	4	12	10	18	0	12	12	1
Northstar	None	8	0.5	–	3	8	8	3	8	8	18	8	18	18	18
Permit	None	9	1	2	2	2	2	2	9	9	21	9	15	9	8
Phoenix	None	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Princep 1 lb a.i./A	None	10	0	0	3	21	21	3	15	21	21	10	21	21	21
Pursuit <sup>f</sup>	None	0	8.5	8.5 <sup>n</sup>	4	18 <sup>n</sup>	9.5	4	4	4	40 <sup>**</sup>	26	40	40	40
Python	>7.8 <sup>p</sup>	0	0	0	4	4	4	4	4	4	26 <sup>q</sup>	12	26 <sup>q</sup>	26 <sup>q</sup>	26 <sup>q</sup>
Raptor	None <sup>af</sup>	0	9	9	3	9	4	4	9	9	18 <sup>af</sup>	9	18	9	9
Reflex/Flexstar	None	0	10	10	4	4	4	4	18	18	18	18	18	18	18
Sandea	None	9	1	2	2	2	2	2	9	9	21	9	15	9	8
Scepter <sup>b,e</sup> 0.67 pt (2.8oz) southern 2 tiers of counties	None	0	9½	9½	4	11	11	18	18	11	26	18	18	18	18
all other counties	None	0	18 <sup>f</sup>	18	4	18	18	18	18	11	26	18	18	18	18
Sencor <sup>aj</sup>	≥7.0 <sup>ak</sup>	4	4	4	4 <sup>al</sup>	4	4 <sup>al</sup>	12 <sup>am</sup>	4	12	18	4	12	12	12
Steadfast	None	0.5	0	10	4	8	8	4	10	10	10/18 <sup>k</sup>	10/18 <sup>k</sup>	10/18 <sup>k</sup>	10/18 <sup>k</sup>	10/18 <sup>k</sup>
Steel	None	0	9.5	18	4	18	11	18	18	11	40 <sup>**</sup>	26	40	40	40
Stinger	None	10.5 <sup>l</sup>	0	–	0	0	0	0	10.5	10.5 <sup>l</sup>	0	18	10.5	18	18
Synchrony STS <sup>c,u</sup> South of I-96	None	0	9	9 <sup>n</sup>	3	3	3	3	12	9	30	30	18	18	9
North of I-96	>7.0 <sup>m</sup>	0	9	9 <sup>n</sup>	3	3	3	3	12	9	30	30	18	18	9
Valor <sup>an</sup>	None	0	2	4	2	12	4	4	12 <sup>ae</sup>	4	12 <sup>ae</sup>	12 <sup>ae</sup>	12 <sup>ae</sup>	12 <sup>ae</sup>	12 <sup>ae</sup>
Yukon	None	9	1	2	2	2	2	2	9	9	21	9	15	9	8

(continued on next page)

## TABLE 12 – Herbicide Crop Rotation Restrictions (Continued)

- \*\* Field bioassay after 40 months.
- No information on the label.
- <sup>a</sup> 12 months on clover.
- <sup>b</sup> Extension of recrop intervals of *Scepter* application following *Scepter*, *Canopy*.
- <sup>c</sup> Extension of recrop intervals following *Scepter*, *Canopy*, or *Canopy XL*.
- <sup>d</sup> Carryover may increase if extreme dryness occurs in the four months following herbicide application.
- <sup>e</sup> and *TriScept*, *Squadron*, *Backdraft SL*.
- <sup>f</sup> and *Pursuit Plus*, *Extreme*.
- <sup>g</sup> Choice of rotational crop hybrid is important. See herbicide labels and information provided by the manufacturer.
- <sup>h</sup> Do not use an organophosphate at-plant insecticide on field corn following the previous year use of *Command* if soil pH is less than 5.9. Also – do not use an organophosphate at-plant insecticide on field corn following the previous year use of *Command* AND then apply *Accent* or *Beacon* postemergence in corn.
- <sup>j</sup> Not recommended in fields where these crops are planned as rotation crops.
- <sup>k</sup> Sugar beets: pH <7.5/pH ≥7.5 (if 25 in. rain falls between application and planting sugar beets). Potatoes, Canola, Cucumber: pH ≤6.5/pH >6.5.
- <sup>l</sup> Time interval extended to 18 months if organic matter <2% AND less than 15 in. of rainfall in the 12 months following treatment.
- <sup>m</sup> **Soil pH may be quite variable in a field.** If the composite soil pH is near 6.8, areas in the field may be higher than 6.8 and herbicide carry-over may occur. Know the pH variability in the field before applying *Canopy SP*, *Canopy XL*, or *Classic*. This may require sampling several smaller areas within a field. If only spots in the field exceed 6.8 a grower may apply these herbicides and then rotate the following year to either soybeans or an imidazolinone resistant corn hybrid.
- <sup>n</sup> Seed corn inbred lines and oat varieties vary in their sensitivity. Damage or yield loss may occur.
- <sup>o</sup> These are recommended time intervals which do not appear on atrazine labels. Carryover risk is affected by soil pH, tillage, rainfall, and temperature. Where risk of carryover exists, fields should be sampled and a bioassay conducted. See pg. 8 for details. Refer to an atrazine label for additional restrictions regarding rotational crops. Carryover risk with *Princep* is similar to or slightly greater than atrazine.
- <sup>p</sup> DO NOT apply to areas where the soil pH is less than 5.9 AND organic matter is greater than 5%. Also DO NOT apply where soil pH is greater than 7.8 as this may result in decreased crop tolerance.
- <sup>q</sup> Requires a 26 month rotation interval and a successful field bioassay.
- <sup>r</sup> Clearfield corn hybrids can be planted the year following *Scepter* application.
- <sup>s</sup> 9 month seed – 12 month transplant.
- <sup>t</sup> Transplant only.
- <sup>u</sup> No soil pH restrictions south of I-96. Use only if soil pH is less than 7.0 on fields north of I-96.
- <sup>v</sup> The full rate (0.76 oz/A) is not recommended in fields where these crops are planned as rotation crops. A rotation interval of two growing seasons is recommended for rates 50% or less of the full rate.
- <sup>w</sup> No pH restriction if *Classic* is applied at 0.25 or 0.33 oz/A. At 0.5 oz/A or higher, pH must be below 7.0.
- <sup>x</sup> Clearfield corn – 8 month.
- <sup>y</sup> If application is made after June 30, if an extended dry period occurs after application, or if the soil pH is greater than 7.8, rotate only to corn or small grains the next year.
- <sup>z</sup> Extend interval to 12 months if soil pH >8.0.
- <sup>aa</sup> Fall seeded cereals only.
- <sup>ab</sup> If applied after July 1, do not plant crop other than corn or sorghum the following year.
- <sup>ac</sup> Rotation restriction is 18 months for rates higher than 0.38 oz/A.
- <sup>ae</sup> Requires the rotational interval and a successful field bioassay.
- <sup>af</sup> Extend interval for sugarbeet rotation to 26 months if soil pH is below 6.2.
- <sup>ag</sup> Clover recrop interval is 18 months.
- <sup>ah</sup> Rotation interval is extended to 18 months if soils contain less than 2% organic matter and natural precipitation is less than 15 inches during the 10.5 months following treatment.
- <sup>ai</sup> Do not plant sugarbeets in the same growing season following an application of *Curtail*.
- <sup>aj</sup> Winter barley and winter wheat: 4.5 month rotation restriction, spring wheat and spring barley: 8 month rotation restriction.
- <sup>ak</sup> Corn: do not apply *Sencor* to corn in fields with pH ≥7.0, in soybean fields with pH ≥7.5.
- <sup>al</sup> Wheat and barley: 4 month rotation restriction when following peas, lentils, or soybeans, 8 months when following other crops.
- <sup>am</sup> Rye: cover crops for soil building or erosion control may be planted anytime, but do not graze or harvest for feed. Stand reductions may occur in some areas.
- <sup>an</sup> Up to 3 oz/A *Valor*.
- <sup>ao</sup> At least 15 inches of rainfall from 2 weeks prior to the last application and November 15 of the same year. At least 10 inches of rainfall is needed for postemergence applications of *Backdraft SL*.
- <sup>ap</sup> Root and leafy vegetables may be planted after 30 days following an application of *Aim*. All other crops may be planted after 12 months following an application of *Aim*.
- <sup>aq</sup> Can be planted back the following season.
- <sup>ar</sup> Field bioassay required.
- <sup>as</sup> If applied after June 1, do not rotate with crops other than corn (all types) or sorghum the next season, or crop injury may occur.