



2018 Peanut/Field Corn/Soybean Weed Control Recommendations

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Four Important Things to Consider:

- 1) Start clean using a combination of tillage, cover crops, and/or herbicides.
- 2) Use at least 2 residual herbicides in the system.
- 3) Make timely postemergence applications (weeds ≤ 3" tall).
- 4) Hand-remove weed escapes before seed is produced.

Table 1. Herbicide Programs for Peanut.

System	Tillage	Timing				
		Preplant Burndown ^a	PPI	PRE	EPOST (~10-20 DAP ^b)	POST (~30-45 DAP)
non-irrigated (dryland)	strip-till ^c	Glyphosate or Paraquat + 2,4-D		Paraquat + Prowl	Paraquat + Storm + Dual Magnum or Warrant or Zidua	<p>ALS Resistance:</p> <p>Cobra or Ultra Blazer + (Dual Magnum or Warrant or Zidua) + 2,4-DB</p> <p>No ALS Resistance:</p> <p>Cadre^d + (Dual Magnum or Warrant or Zidua) + 2,4-DB</p>
	conventional		Prowl or Sonalan		Paraquat + Storm + Dual Magnum or Warrant or Zidua	
irrigated	strip-till ^c	Glyphosate or Paraquat + 2,4-D		Paraquat + Prowl + Valor + Strongarm ^d		
	conventional			Prowl or Sonalan + Valor + Strongarm ^d		

^aApply at least 7 days before planting. If there will be a long delay between the burndown application and planting (>10 days), consider adding a residual herbicide (Valor or Dual Magnum or Warrant) to the burndown treatment. ^bDAP = days after planting. ^cAnnual grass control in strip-tillage systems is often more difficult thus additional applications of a postemergence grass herbicide (i.e. Fusilade, Poast, and Select) may be needed. ^dBefore using Cadre and/or Strongarm, rotational crop restrictions must be considered.

****SPECIAL NOTE: Dual Magnum and Warrant are in the same herbicide family and have the same mode of action (inhibit very long chain fatty acids). Zidua is not in the same herbicide family but has the same mode of action. Multiple applications (> 2) of these herbicides in a single year should be avoided to prevent or delay the evolution of resistance. These herbicides have no postemergence activity.**

Table 2. Herbicide Programs for Field Corn.

Corn Hybrid	Preemergence	Early-Postemergence ¹ (~20-30 DAP, V3-V4 stage)	Layby/Directed (if needed)
Conventional	Atrazine	1) Prowl + Atrazine + Crop Oil or 2) Atrazine + One of the following: Callisto, Capreno, Impact, Laudis, Revulin Q, Steadfast Q	2,4-D or dicamba
	Dual II Magnum or Warrant	1) Atrazine + Prowl + Crop Oil or 2) Atrazine + One of the following: Callisto, Capreno, Impact, Laudis, Revulin Q, Steadfast Q	Evik
Liberty-Link	Atrazine	Liberty + atrazine + One of the following: Prowl, Dual Magnum, Warrant, Zidua	2,4-D or dicamba
	Dual II Magnum or Warrant	Liberty + atrazine + (Prowl or Zidua)	Evik
Roundup Ready	Atrazine	1) glyphosate + atrazine + (Prowl or Dual Magnum or Warrant or Zidua) or 2) glyphosate + atrazine + (Capreno or Impact or Laudis or Revulin Q or Steadfast Q) or 3) Halex GT + atrazine	2,4-D or dicamba
	Dual II Magnum or Warrant	1) glyphosate + atrazine + (Prowl or Zidua) or 2) glyphosate + atrazine + (Capreno or Impact or Laudis or Revulin Q or Steadfast Q) or 3) Halex GT+ atrazine	Evik

¹When using Counter (INFR) for insect and nematode control, the following herbicides should not be applied POST: Callisto, Capreno, Halex GT, Revulin Q, and Steadfast Q.

Table 3. Herbicide Programs for Soybean.

Soybean Variety	Program	Preemergence ¹	Postemergence (~20-30 DAP)
Roundup Ready	1	One of the following: Authority MTZ; Canopy/Cloak; TriCor/Metribuzin; Trivence	glyphosate + Reflex; or glyphosate + (Prefix or Warrant Ultra); or Flexstar GT
	2	Boundary	glyphosate + Reflex; or Flexstar GT
	3	One of the following: Prowl; Anthem; Dual Magnum; Warrant; Zidua	glyphosate + Reflex; or Flexstar GT
	4	One of the following: Authority XL; Envive; Fierce; Surveil; Trivence; Valor	glyphosate + (Dual Magnum or Warrant or Zidua); or Sequence
Liberty-Link	1	One of the following: Prowl; Anthem; Dual Magnum; Warrant; Zidua	Liberty + Reflex
	2	One of the following: Authority XL; Envive; Fierce; Surveil; Valor	Liberty + (Dual Magnum or Warrant)
Dicamba-Tolerant² (Xtend)	1	One of the following: Authority MTZ Authority XL Boundary Canopy/Cloak Envive Fierce Surveil Tricor/Metribuzin Trivence Valor	1) glyphosate + [Xtendimax (VG) or Fexapan (VG)] + Warrant or 2) glyphosate + Engenia + Zidua **For a current list of approved tank-mix partners for Xtendimax/Engenia/Fexapan, refer to the following: www.xtendimaxapplicationrequirements.com www.engeniatankmix.com http://www.dupont.com/products-and-services/crop-protection/soybean-protection/articles/fexapan-tank-mix-partner.html
Conventional	1	Prowl + One of the following: Authority MTZ; Canopy/Cloak; TriCor/Metribuzin; Trivence	Reflex; or Prefix; or Warrant Ultra (tank-mix with Classic or FirstRate if annual MG is a problem)
	2	Boundary	Reflex (tank-mix with Classic or FirstRate if annual MG is a problem)
	3	One of the following: Prowl; Anthem; Dual Magnum; Warrant; Zidua	Reflex (tank-mix with Classic or FirstRate if annual MG is a problem)

¹Before using any metribuzin product in soybeans, check variety tolerance, soil pH, organic matter, and soil texture. ²DT soybeans are **NOT** tolerant of glufosinate (Liberty).