



2023 Peanut/Field Corn/Soybean Weed Control Recommendations

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Five Important Things to Consider:

- 1) Start clean using a combination of tillage, cover crops, and/or herbicides.
- 2) Use narrow rows (≤ 30 ") or twin rows when practical.
- 3) Use multiple residual herbicides in the system.
- 4) Make timely postemergence applications (tallest weeds ≤ 3 " tall, ***not the average***).
- 5) Hand-remove weed escapes before seed is produced.

Table 1. Herbicide Programs for Peanut.

System	Tillage Method	Timing				
		Preplant Burndown ¹	PPI	PRE	EPOST (~10-20 DAP ²)	POST (~30-45 DAP)
non-irrigated (dryland)	strip-till ³	Glyphosate or Paraquat + 2,4-D		No Rain in 7-10 DAP Paraquat + Prowl	Paraquat + Storm or Basagran + Dual Magnum or Warrant or Zidua or Anthem Flex or Outlook	ALS Resistance: Cobra or Ultra Blazer + (Dual Magnum or Warrant or Zidua or Anthem Flex or Outlook) + 2,4-DB No ALS Resistance: Cadre ⁴ + (Dual Magnum or Warrant or Zidua or Anthem Flex or Outlook) + 2,4-DB **A 4-way tank-mixture can be used if required (Cadre + Cobra or Ultra Blazer + 2,4-DB + Dual Magnum or Warrant or Zidua or Outlook)
				Rain in 7-10 DAP Paraquat + Prowl + Valor + Strongarm ⁴		
	conventional	Prowl or Sonalan + Strongarm ⁴	No PRE if rain is not expected in 7-10 DAP	Paraquat + Storm or Basagran + Dual Magnum or Warrant or Zidua or Anthem Flex or Outlook		
			Rain in 7-10 DAP Valor			
irrigated	strip-till ³	Glyphosate or Paraquat + 2,4-D		Paraquat + Prowl + Valor + Strongarm ⁴		
	conventional			Prowl or Sonalan + Valor + Strongarm ⁴		

¹Apply at least 7 days before planting. If there will be a long delay between the burndown application and planting (>10 days), add a residual herbicide (Valor or Dual Magnum or Warrant or Outlook) to the burndown treatment. ²DAP = days after planting. ³Annual grass control in strip-tillage systems is often more difficult thus additional applications of a postemergence grass herbicide (i.e. Fusilade, Poast, and Select) will be needed. ⁴Before using Cadre and/or Strongarm, rotational crop restrictions must be considered. ****SPECIAL NOTE: Dual Magnum/Warrant/Outlook are in the same herbicide family (chloroacetamide) and have the same mode of action (inhibit very long chain fatty acids). Zidua/Anthem Flex are not in the same herbicide family (isoxazoline) but have 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 residual herbicides have no postemergence activity.**

Table 2. Herbicide Programs for Field Corn.

Corn Hybrid/System	Preemergence	Early-Postemergence ¹ (~17-30 DAP, V3-V5, ~279-411 GDD's ²)	Layby/ Directed
Conventional	Atrazine ³ or Dual II Magnum or Warrant or Outlook	1) Prowl + Atrazine + Crop Oil or 2) Atrazine + one of the following: Accent Q; Callisto; Capreno; Armezon/Impact/Impact Z; Laudis; Revulin Q; Shieldex; Steadfast Q	Evik
Liberty Link®		1) Liberty + Atrazine + one of the following: Acuron (48 oz/A); Anthem Maxx; Dual Magnum; Outlook; Prowl; Warrant; Zidua	
Roundup Ready®		1) Glyphosate + Atrazine + one of the following: Anthem Maxx; Dual Magnum; Outlook; Prowl; Zidua or 2) Glyphosate + Atrazine + one of the following: Callisto; Capreno; Armezon/Impact/Impact Z; Laudis; Revulin Q; Shieldex; Steadfast Q or 3) Glyphosate + Atrazine or 2,4-D amine or dicamba or 4) Acuron GT or Halex GT + Atrazine or 5) Glyphosate + Acuron (48 oz/A)	

¹When using Counter (INFR) for insect and nematode control, the following herbicides should **NOT** be applied POST: Accent Q, Acuron GT, Acuron, Callisto, Capreno, Halex GT, Revulin Q, and Steadfast Q. ²GDD's = growing degree-days from planting (50°/86° F). ³A maximum of 2.0 to 2.5 lb ai/A of atrazine can be applied in a single year depending upon application methods.

Table 3. Herbicide Programs for Soybean.

Soybean Variety/System	Program	Preemergence ¹	Postemergence (~20-30 DAP)
Roundup Ready® (glyphosate)	1	One of the following: Authority MTZ; Canopy/Cloak; TriCor/Metribuzin	glyphosate + Reflex; or glyphosate + (Prefix or Warrant Ultra); or Flexstar GT
	2	One of the following: Boundary; Prowl; Anthem Maxx; Dual Magnum; Warrant; Zidua; Outlook; Tendovo; Treflan (PPI)	glyphosate + Reflex; or Flexstar GT
	3	One of the following: Authority XL; Envive; Fierce; Fierce MTZ; Surveil; Trivence; Valor	glyphosate + (Dual Magnum or Warrant or Zidua or Anthem Maxx); or Sequence
Liberty Link® (glufosinate)	1	One of the following: Treflan (PPI) or Prowl; Anthem Maxx; Boundary; Dual Magnum; Tendovo; Tricor/Metribuzin; Warrant; Zidua; Outlook	Liberty + Reflex
	2	One of the following: Authority MTZ; Envive; Fierce; Fierce MTZ; Surveil; Tricor/Metribuzin; Trivence; Valor	Liberty + (Dual Magnum or Warrant or Zidua)
Xtend® (glyphosate, dicamba) ²	1	One of the following: Authority MTZ; Boundary; Canopy/Cloak; Envive; Fierce; Fierce MTZ; Surveil; Tricor/Metribuzin; Tendovo; Trivence; Valor	1) labeled glyphosate + Xtendimax (VG) + (Dual Magnum or Warrant) or 2) labeled glyphosate + Engenia + (Dual Magnum or Warrant or Zidua or Outlook) or 3) labeled glyphosate + Tavium (VG) Use DRA, VRA/PHBA with dicamba as required.
XtendFlex® (glyphosate, glufosinate, dicamba)	1	One of the following: Authority MTZ; Boundary; Canopy/Cloak; Envive; Fierce; Fierce MTZ; Surveil; Tricor/Metribuzin; Tendovo; Trivence; Valor	1) labeled glyphosate + Xtendimax (VG) + (Dual Magnum or Warrant) or 2) labeled glyphosate + Engenia + (Dual Magnum or Warrant or Zidua or Outlook) or 3) labeled glyphosate + Tavium (VG) or 4) Liberty + Reflex or Dual Magnum or Warrant or Zidua **Liberty and dicamba should not be tank-mixed. Use DRA, VRA/PHBA with dicamba as required.
Enlist E3™ (2,4-D choline, glyphosate, glufosinate)	1	One of the following: Authority MTZ; Boundary; Canopy/Cloak; Envive; Fierce; Fierce MTZ; Surveil; Tricor/Metribuzin; Tendovo; Trivence; Valor	1) Enlist One + Liberty + (Dual Magnum or Warrant or Anthem Maxx or Zidua) or 2) Enlist Duo* + (Anthem Maxx or Warrant or Zidua) *Not labeled for use in Baker, Berrien, Brooks, Burke, Calhoun, Early, Irwin, Lee, Miller, Screven, and Worth counties.
Conventional	1	Treflan (PPI) or Prowl + One of the following: Authority MTZ; Canopy/Cloak; TriCor/Metribuzin	Reflex; or Prefix; or Warrant Ultra <i>(tank-mix with Classic or FirstRate if annual MG and/or sicklepod are problems)</i>
	2	One of the following: Boundary; Prowl; Anthem Maxx; Dual Magnum; Warrant; Zidua; Outlook; Tendovo; Treflan (PPI)	Reflex <i>(tank-mix with Classic or FirstRate if annual MG and/or sicklepod are problems)</i>

¹Before using any **metribuzin** product in soybeans, check variety tolerance, soil pH, organic matter, and soil texture. ²Xtend® soybeans are **NOT** tolerant of glufosinate (Liberty). **Authority** (sulfentrazone) products have an 18 month cotton rotation restriction. Updated: January 6, 2023 (replaces all previous versions)