

## 2020 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 at *least* 2 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.

		Timing					
System	Tillage	Preplant Burndown <sup>1</sup>	PPI	PRE	EPOST (~10-20 DAP²)	POST (~30-45 DAP)	
non-irrigated (dryland)	strip-till <sup>3</sup>	Glyphosate or Paraquat + 2,4-D		No Rain in 7-10 DAP Paraquat + Prowl	Paraquat + Storm + Dual Magnum or Warrant or Zidua	ALS Resistance:  Cobra or Ultra Blazer + (Dual Magnum or Warrant or Zidua) + 2,4-DB	
	conventional		Prowl or Sonalan	Rain in 7-10 DAP  Paraquat + Prowl +  Valor  No PRE if rain is not  expected in 7-10  DAP	Paraquat + Storm + Dual Magnum or Warrant or Zidua	No ALS Resistance:  Cadre <sup>4</sup> + (Dual Magnum or Warrant or Zidua) + 2,4-DB	
irrigated	strip-till <sup>c</sup>	Glyphosate or Paraquat +		Rain in 7-10 DAP  Valor  Paraquat + Prowl +  Valor + Strongarm <sup>4</sup>		**A 4-way tank-mixture can be used if required (Cadre + Cobra or Ultra Blazer + 2,4-DB + Dual Magnum or Warrant or Zidua)	
	conventional	2,4-D		Prowl or Sonalan + Valor + Strongarm <sup>4</sup>			

<sup>1</sup>Apply 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) to the burndown treatment. <sup>2</sup>DAP = days after planting. <sup>3</sup>Annual 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. <sup>4</sup>Before 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 residual herbicides have no postemergence activity.

Table 2. Herbicide Programs for Field Corn.

Corn Hybrid/System	Preemergence	Early-Postemergence <sup>1</sup> (~17-30 DAP, V3-V5 stage, ~279-411 GDD's² )	Layby/Directed (if needed)
Conventional	Atrazine <sup>3</sup> or Dual II Magnum or Warrant	Prowl + Atrazine + Crop Oil or     Atrazine + <u>One</u> of the following:     Callisto, Capreno, Impact/Impact Z, Laudis, Revulin Q, or Steadfast Q	Evik
Liberty-Link	Atrazine or Dual II Magnum or Warrant	Liberty + Atrazine + <u>One</u> of the following:     Prowl, Dual Magnum, Warrant, Zidua, Anthem Maxx or Acuron (40 oz/A)	
Roundup Ready	Atrazine or Dual II Magnum or Warrant	<ol> <li>Glyphosate + Atrazine + (Prowl or Dual Magnum or Warrant or Zidua or Anthem Maxx) or</li> <li>Glyphosate + Atrazine + (Capreno or Impact/Impact Z or Laudis or Revulin Q or Steadfast Q) or</li> <li>Glyphosate + Atrazine + (2,4-D or dicamba) or</li> <li>Halex GT + Atrazine</li> <li>Glyphosate + Acuron (48 oz/A)</li> </ol>	

<sup>1</sup>When using Counter (INFR) for insect and nematode control, the following herbicides should <u>NOT</u> be applied POST: Acuron, Callisto, Capreno, Halex GT, Revulin Q, and Steadfast Q. <sup>2</sup>GDD = growing degree days from planting. <sup>3</sup>A 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 <sup>1</sup>	Postemergence (~20-30 DAP)	
Roundup Ready® (glyphosate)	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 Maxx; 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 Anthem Maxx); or Sequence	
LibertyLink® (glufosinate)	1	One of the following: Prowl; Anthem Maxx; Dual Magnum; Tricor/Metribuzin; Warrant; Zidua;	Liberty + Reflex	
	2	One of the following: Authority XL; Envive; Fierce; Surveil; Tricor/Metribuzin; Valor	Liberty + (Dual Magnum or Warrant)	
Xtend® (dicamba)²	1	<u>One</u> of the following: Authority MTZ; Boundary; Canopy/Cloak; Envive; Fierce; Surveil; Tricor/Metribuzin; Trivence; Valor	1) labeled glyphosate + [Xtendimax (VG) or Fexapan (VG)] + (Dual Magnum or Warrant) or      2) labeled glyphosate + Engenia + (Dual Magnum or Warrant or Zidua or Outlook)	
Enlist E3™ (2,4-D choline)	1	One of the following: Authority MTZ; Boundary; Canopy/Cloak; Envive; Fierce; Surveil; Tricor/Metribuzin; Trivence; Valor	Enlist One + Liberty + (Dual Magnum or Warrant)	
Conventional	1	Prowl + <u>One</u> 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 Maxx; Dual Magnum; Warrant; Zidua	Reflex (tank-mix with Classic or FirstRate if annual MG is a problem)  ganic matter, and soil texture .2Xtend® soybeans are N	

<sup>1</sup>Before using any metribuzin product in soybeans, check variety tolerance, soil pH, organic matter, and soil texture .<sup>2</sup>Xtend® soybeans are NOT tolerant of glufosinate (Liberty). Updated: December 23, 2019 (replaces all previous versions).