



## 2019 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 ( $\leq 30$ " ) or twin rows when practical.
- 3) Use at **least** 2 residual herbicides in the system.
- 4) Make timely postemergence applications (tallest weeds  $\leq 3$ " tall, not the average).
- 5) Hand-remove weed escapes before seed is produced.

Table 1. Herbicide Programs for Peanut.

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

<sup>a</sup>Apply 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. <sup>b</sup>DAP = days after planting. <sup>c</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>d</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> (~20-30 DAP, V3-V4 stage)	Layby/Directed (if needed)
<b>Conventional</b>	Atrazine <sup>2</sup>	1) Prowl + Atrazine + Crop Oil or 2) Atrazine + <b>One</b> of the following: Callisto, Capreno, Impact/Impact Z, Laudis, Revulin Q, Steadfast Q	2,4-D or dicamba
	Dual II Magnum or Warrant	1) Atrazine + Prowl + Crop Oil or 2) Atrazine + <b>One</b> of the following: Callisto, Capreno, Impact/Impact Z, Laudis, Revulin Q, Steadfast Q	Evik
<b>Liberty-Link</b>	Atrazine	Liberty + Atrazine + <b>One</b> of the following: Prowl, Dual Magnum, Warrant, Zidua, Anthem Maxx	2,4-D or dicamba
	Dual II Magnum or Warrant	Liberty + Atrazine + <b>One</b> of the following: Prowl, Zidua, Anthem Maxx	Evik
<b>Roundup Ready</b>	Atrazine	1) Glyphosate + Atrazine + (Prowl or Dual Magnum or Warrant or Zidua or Anthem Maxx) or 2) Glyphosate + Atrazine + (Capreno or Impact/Impact Z 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 Anthem Maxx) or 2) Glyphosate + Atrazine + (Capreno or Impact/Impact Z or Laudis or Revulin Q or Steadfast Q) or 3) Halex GT+ Atrazine	Glyphosate + Evik

<sup>1</sup>When 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. 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)
<b>Roundup Ready</b>	1	<b>One</b> 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	<b>One</b> of the following: Prowl; Anthem Maxx; Dual Magnum; Warrant; Zidua	glyphosate + Reflex; or Flexstar GT
	4	<b>One</b> of the following: Authority XL; Envive; Fierce; Surveil; Trivence; Valor	glyphosate + (Dual Magnum or Warrant or Zidua or Anthem Maxx); or Sequence
<b>Liberty-Link</b>	1	<b>One</b> of the following: Prowl; Anthem Maxx; Dual Magnum; Tricor/Metribuzin; Warrant; Zidua;	Liberty + Reflex
	2	<b>One</b> of the following: Authority XL; Envive; Fierce; Surveil; Tricor/Metribuzin; Valor	Liberty + (Dual Magnum or Warrant)
<b>Dicamba-Tolerant<sup>2</sup> (Xtend)</b>	1	<b>One</b> of the following: Authority MTZ; Boundary; Canopy/Cloak; Envive; Fierce; Surveil; Tricor/Metribuzin; Trivence; Valor	1) glyphosate + [Xtendimax (VG) or Fexapan (VG)] + labeled residual or 2) glyphosate + Engenia + labeled residual <b>**For a current list of approved residual tank-mix partners for Xtendimax/Engenia/Fexapan, refer to the following:</b> <a href="http://www.xtendimaxapplicationrequirements.com">www.xtendimaxapplicationrequirements.com</a> <a href="http://www.engeniatankmix.com">www.engeniatankmix.com</a> <a href="http://www.dupont.com/products-and-services/crop-protection/soybean-protection/articles/fexapan-tank-mix-partner.html">http://www.dupont.com/products-and-services/crop-protection/soybean-protection/articles/fexapan-tank-mix-partner.html</a>
<b>Conventional</b>	1	Prowl + <b>One</b> 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	<b>One</b> of the following: Prowl; Anthem Maxx; Dual Magnum; Warrant; Zidua	Reflex (tank-mix with Classic or FirstRate if annual MG is a problem)

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