

HERBICIDE PREMIXES

A herbicide premix is a mixture of two or more herbicides formulated together in the same container by the chemical manufacturer or re-formulator. Advantages of using premixes include potential reduction in the amount of packaging material generated from herbicide application and potential reduction in the cost per unit of active ingredient. A disadvantage of a premix may be that the proportions of the active ingredients may not be correct for use in certain situations and therefore may require the addition of more active ingredients.

Use the following premix tables as general information, to be confirmed by the label affixed to the herbicide container. Pay close attention to the herbicide trade name; some may seem very similar, but may contain very different active ingredients. The use of a similar but improper herbicide for a particular purpose may result in unanticipated field observations after herbicide application ranging from no weed control to crop death. Additional premixes, other than those listed in this table, may be available to growers. Note that some herbicides may be used in more than one crop and some of the listed herbicide premixes are not currently recommended by the LSU Agricultural Center or may not be particularly suitable for use in Louisiana.

TABLE I. Herbicide premixes formulated as liquids.

Herbicide Trade Name	Components (lb ai/gallon formulation)	Herbicide Trade Name	Components (lb ai/gallon formulation)
Arrosolo	ordram = 3.0 + propanil = 3.0	Grazon P+D	picloram = 0.54 + 2,4-D = 2
Backdraft	imazaquin = 0.25 + glyphosate 1.25	Guardsman Max	dimethenamid = 1.7 + atrazine = 3.3
Bicep Lite II Magnum	s-metolachlor = 3.33 + glyphosate = 2.67	G-Max Lite	dimethenamid = 2.25 + atrazine = 1.7
Broadstrike + Dual	metolachlor = 7.47 + flumetsulam = 0.20	Harness Xtra	acetochlor = 4.3 + atrazine = 1.7
Broadstrike + Treflan	flumetsulam = 0.25 + treflan = 3.4	Journey	glyphosate = 1.5 + imazapic = 0.75
Bronco	alachlor 2.6 + glyphosate = 1.4	Laddok S-12	bentazon = 2.5 + atrazine = 2.5
Bullet	alachlor = 2.5 + atrazine = 1.5	Lariat	alachlor = 2.5 + atrazine = 1.5
Conclude Xact B	bentazon = 2.67 + acifluofen = 1.33 +	Lightning	imazethapyr = 0.084 + imazapyr = 0.028
Conclude Xact G	sethoxydim = 2.0		
Confront	triclopyr = 2.25 + clopyralid = 0.75	Lumax	s-metolachlor = 2.68 + atrazine = 1.0 + mesotrione = 0.268
Crossbow	triclopyr = 1.0 + 2,4-D = 2.0	Marksman	dicamba = 1.1 + atrazine = 2.1
Double play	EPTC = 5.6 + acetochlor = 3.0	Pursuit Plus EC	imazethapyr = 0.2 + pendimethalin = 2.70
Duet	propanil = 4 + bensulfuron = 14 grams	Sequence	glyphosate = 2.25 + s-metolachlor = 3.0
Exceed	prosulfuron = 0.285 + primisulfuron = 0.285	Squadron	imazaquin = 0.33 + pendimethalin = 2.00
Weedmaster	dicamba = 1.0 + 2,4-D = 2.0	Storm	bentazon = 2.67 + basagran = 1.33
Freedom	alachlor = 2.67 + trifluralin = 0.33	Surmount	picloram = 1.19 + fluroxypyr = 0.96
Fultime	acetochlor = 2.4 + atrazine = 1.6	Typhoon	fluazifop = 0.47 + fomesafen = 0.94
Fusion	fluazifop = 2.0 + fenoxaprop = 0.56		

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Table 2. Herbicide premixes formulated as dry products.

Herbicide Trade Name	Components (% ai/lb formulation)	Herbicide Trade Name	Components (% ai/lb formulation)
Authority	sulfentrazone = 46.9 + chlorimuron = 9.4	FirstShot	thifensulfuron = 50 + tribenuron = 25
Basis	rimsulfuron = 50 + thifensulfuron = 25	Hornet	clopyralid = 60 + flumetsulam = 18.5
Canopy	chlorimuron = 10.7 + metribuzin = 64.3	K-4 (Velpar K-4 Max)	Hexazinone = 13.2 + diuron = 46.8
Canopy SP	chlorimuron = 8.3 + metribuzin = 50	Krovar	bromacil = 40 + diuron = 40
Canopy XL	chlorimuron = 9.4 + sulfentrazone = 46.9	Lightning	imazethapyr = 52.5 + imazapyr = 17.5
Sahara	imazapyr = 7.78 + diuron = 62.22	Oustar	hexazinone = 63.2 + sulfometuron = 11.8
Cimarron Max	dicamba = 1 lb/gal + 2,4-D = 2.87 lb/Gal metsulfuron = 0.75	Snapshot	trifluralin = 2 + isoxaben = 0.5
Celebrity Plus	dicamba = 46.6 + diflufenzopyr = 18.1 + nicosulfuron = 10.6	Steadfast	nicosulfuron = 50 + rimsulfuron = 25
Distinct	diflufenzopyr = 0.20 + dicamba = 0.50	Steadfast ATZ	nicosulfuron = 2.7 + rimsulfuron = 1.3 + atrazine = 85.3
Exceed	prosulfuron = 28.5 + primisulfuron = 28.5	Suprend	prometryne = 79.3 + trifloxysufuron = 0.7
Finesse	chlorsulfuron = 62.5 + metsulfuron = 12.5	Synchrony XP	chlorimuron = 21.5 + thifensulfuron = 6.9
Frontrow (co-pak of First Rate and flumetsulam)	cloransulam-methyl = 84 + flumetsulam = 80		