

CORN

Table I. Effectiveness of burndown herbicides used in corn 4 weeks after application.¹

	annual bluegrass	annual ryegrass	Carolina foxtail	little barley	Carolina geranium	chickweed	curly dock	cutleaf eveningprimrose	henbit	horseweed	speedwells	shepherdspurse	bittercress	swinecress	smartweed
2,4-D	0	0	0	0	5	3	6	9	5	5	6	8	6	5	5
glyphosate	9	6	8	9	6	9	5	5	6	8	9	9	8	7	6
glyphosate + Clarity	9	6	8	9	8	9	8	8	8	8	9	9	9	8	7
glyphosate + Goal	9	6	8	9	7	9	6	6	8	8	9	9	9	7	7
glyphosate + Valor	9	6	8	9	5	9	5	8 ²	9	8	9	9	8	8	8
glyphosate + FirstShot	9	6	8	9	7	9	8	6	8	8	9	9	9	8	9
glyphosate + 2,4-D	9	6	8	9	8	9	7	9	7	8	9	9	9	7	7
glyphosate +2,4-D + Clarity	9	6	8	9	8	9	9	9	8	9	9	9	8	9	9
glyphosate + 2,4-D +Valor	9	6	8	9	8	9	8	9	9	8	9	9	9	8	9
glyphosate +2,4-D + Resolve	9	8	8	9	8	9	8	9	9	8	9	9	9	9	8
Gramoxone Inteon	8	4	7	8	8	9	4	5	5	5	6	8	8	2	4
Gramoxone Inteon + Goal	9	5	8	9	9	9	5	6	8	6	7	9	9	3	5
Gramoxone Inteon + FirstShot	8	5	7	9	9	9	5	7	8	6	8	9	9	6	9
Gramoxone Inteon + 2,4-D	8	4	7	8	8	9	6	9	7	5	7	8	9	5	5

¹ Consult the label (s) prior to use and determine: (1) proper burndown application time and herbicide rates; (2) if surfactant or crop oil concentrate is required in the burndown treatment and (3) the required time period between burndown application and crop planting.

² Small primrose only (4 to 5 inch rosette or less).

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Table 2. Effectiveness of selected corn herbicides 4 weeks after application.

	seedling johnsongrass	annual grasses	barnyardgrass	broadleaf signalgrass	yellow nutsedge	purple nutsedge	prickly sida	hemp sesbania	morningglory	cocklebur	sicklepod	copperleaf	smellmelon	crabgrass	foxtail	itchgrass
PREEMERGENCE HERBICIDES:¹																
Atrazine	5	7	9	7	5	0	8	8	8	9	8	9	5	6	7	1
Bicep, Cinch ATZ	8	9	9	8	9	1	8	8	8	8	8	9	9	9	9	1
Dual, Cinch	7	9	8	8	7	1	2	2	2	2	2	2	1	9	9	1
Lasso	7	9	8	7	8	1	2	2	2	2	2	2	0	9	9	1
Lasso + Atrazine	8	9	9	8	8	1	8	8	8	8	8	9	9	9	9	1
Outlook	7	9	8	8	7	1	2	2	2	2	2	2	1	9	9	1
Guardsman	8	9	9	8	8	1	8	8	8	8	8	9	9	9	9	1
Harness	7	9	9	7	5	1	2	2	2	2	2	2	1	9	9	1
Harness Xtra	7	9	9	9	6	1	8	8	8	8	8	9	9	9	9	1
Prowl	7	9	8	7	0	1	2	2	2	2	2	2	0	9	9	7
Prowl + Atrazine	8	9	9	8	5	1	8	8	8	8	8	9	9	8	8	7
POSTEMERGENCE HERBICIDES:																
Accent	9	8	8	8	5	4	2	2	6	5	5	1	1	4	8	8
Atrazine	3	4	7	5	3	1	8	7	8	8	7	9	9	6	7	1
Banvel/Clarity	0	0	0	0	0	3	9	9	9	9	7	8	8	0	0	0
Beacon	9	7	6	5	4	3	1	1	5	6	6	5	6	9	9	6
Buctril	0	0	0	0	0	0	3	9	8	9	4	8	8	0	0	0
Callisto + Atrazine	3	4	7	5	3	1	8	8	9	-	8	9	9	6	7	1
Status	3	3	3	3	3	5	9	9	9	9	8	8	8	0	0	0
Exceed	9	7	8	0	4	3	8	7	8	9	7	3	4	8	8	0
glyphosate*#	9	9	9	9	8	8	8	7	8	9	9	8	8	9	9	9
glyphosate + atrazine + Resolve	9	9	9	9	8	8	9	9	9	9	9	9	9	9	9	9
Gramoxone Max/Gramoxone Inteon	8	9	9	9	4	3	6	7	6	8	6	9	9	9	9	5
Ignite	8	8	8	8	7	9	9	9	9	9	9	9	9	8	8	8
Linex	6	8	1	8	1	2	7	8	6	8	7	9	9	8	8	0
Permit	1	2	0	2	9	9	1	8	5	9	5	1	1	0	0	0
Python	0	-	0	0	4	1	8	9	9	8	7	4	5	0	0	1
Steadfast	9	8	9	9	5	5	3	3	7	6	6	7	7	8	9	-
LAYBY HERBICIDES																
Atrazine	4	4	4	4	2	0	0	7	8	8	6	9	9	4	4	0
Karmex/Direx	6	6	6	6	2	1	7	6	7	8	7	9	9	6	6	5

¹ Preemergence herbicides must be activated by rainfall or overhead irrigation; ²Use only appropriate herbicide tolerant corn; ³ See appendix A for various glyphosate products.

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
PREPLANT:			
s-metolachlor ⁴ @ 1.0-1.9 lb/A	Dual Magnum @ 1.33-1.67 pt/A	Italian ryegrass	This is a 24-C label to control glyphosate resistant ryegrass and expires January 26, 2014. Apply to prepared seedbeds between September and November. Best control is generally observed from late-October to mid-November. Will not control emerged ryegrass. Mix with paraquat to control emerged ryegrass. Incorporation will be beneficial if an activating rainfall is not received soon after application. Don't incorporate deeper 2-3 inches. The maximum combined fall and spring metolachlor rate is 2.54 lb ai/A.
rimsulfuron @ 0.016 lb/A	Resolve I oz/A	Good residual control of many cool season weeds including henbit and bluegrass.	Apply as part of preplant burndown program. Corn can be planted anytime after the application; see label for re-crop intervals of other crops. Consult label before using Counter 15 G or other organophosphate insecticides at planting.
PREEMERGENCE:			
atrazine @ 2.0 lb/A (1.6 lb/A on highly erodible soils)	80 DF formulations @ 2.5 lb/A 90 DF formulations @ 2.2 lb/A 4L formulations @ 2 qt/A 5L formulations @ 1.6 qt/A Reduce rate by 25% on highly erodible soils.	Many small seeded annual broadleaf weeds and some annual grasses. Inconsistent on broadleaf signalgrass	Best if applied to the soil surface after planting, before weeds emerge. Rainfall required for activation. Do not plant treated areas with any crop except corn or grain sorghum until the following year. Do not apply more than 2.0 lb ai/A/ application or 2.5 lb ai/year. Check label for tank-mixes with other herbicides. Do not mix, load or use within 50 ft of a well. Use a device to prevent back siphoning when mixing.
s-metolachlor ³ @ 0.95-1.27 lb/A	Dual II Magnum, Dual Magnum, Cinch @ 1.0 pt/A on light soil 1.17 pt/A on medium soil 1.33 pt/A on heavy soil	Most annual grasses including signalgrass, seeding johnsongrass and pigweeds	Apply after planting before weeds emerge. May also be used before planting; consult label. Rates listed should be adjusted for OM; consult label. Poor control of most large seeded broadleaf weeds. For improved broadleaf weed control mix with atrazine; consult label.
s-metolachlor @ 0.75-1.25 lb/A + atrazine @ 1.0-1.63 lb/A	Bicep II Magnum @ 1.3 qt/A on coarse soil 1.6 qt/A on medium soil 2.1 qt/A on heavy soil	Most small seeded annual grasses and broadleaf weeds	See comments for atrazine and s-metolachlor. Use Bicep Lite if another atrazine application will be needed at layby. Rates can be increased approximately 25% on soils with 3% or more OM; consult label.
s-metolachlor @ 0.75-1.25 lb/A + atrazine @ 0.6-1.0 lb/A	Bicep Lite II Magnum @ 0.9 qt/A on coarse soil 1.1-1.5 qt/A on medium soil		

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
	1.5 qt/A on heavy soil		
PREEMERGENCE: continued			
dimethenamid @ 0.56- 0.84 lb/A	Outlook 6L @ 12-14 oz/A on coarse soil 14-18 oz/A on med-heavy soil	Most annual grasses, pigweeds, and some sedges	Apply after planting before weeds emerge. May also be used before planting; consult label. Higher rates may be needed on soil with 3% or higher OM; consult label. Mix with atrazine for improved broadleaf weed control; consult label.
dimethenamid @ 0.53-0.85 lb/A + atrazine @ 1.0-1.65 lb/A	Guardsman Max @ 2.5-3 pt/A on coarse soil 3-4 pt/A on med-heavy soil	Most annual small seeded grasses and broadleaf weeds	Apply after planting before weeds emerge. See comments for dimethenamid and atrazine. Adjust rates per label if OM > 3%.
acetochlor @ 1.1 - 2.0 lb/A	Harness 7.0 EC @ 1.25-1.75 pt/A on coarse soil 1.75-2.25 pt/A on med-hvy soil	Some grasses and broadleaves	Apply after planting before weeds emerge. May also be used before planting; consult label. Rates differ for reduced and no-till systems; consult label. Adjust rate per label if OM > 3%. Mix with atrazine for improved broadleaf weed control; consult label. Rates differ for reduced and no-till systems; consult label.
	Surpass EC @ 1.5-2.25 pt/A on coarse soil 1.5-2.5 pt/A on medium soil 1.5-2.75 pt/A on heavy soil		
acetochlor @ 1.9-2.8 lb/A + atrazine @ 0.76-1.1	Harness Xtra @ 1.8 qt/A on coarse soil 2.3 qt/A on medium soil 2.3-2.6 qt/A on heavy soil	Broadleaves and grasses	Apply after planting before weeds emerge. See comments for acetochlor and atrazine. Adjust rates per label if OM > 3%.
s-metolachlor @ 1.3 + atrazine @ 1.3 lb/A + mesotrione @ 0.168 lb/A	Lexar @ 3 qt/A	Most small seeded grasses and broadleaf weeds	Apply after planting before weeds emerge. Provides better annual grass and broadleaf weed control than s-metolachlor + atrazine alone. Additional, atrazine may improve morningglory control. Up to 1.3 lb ai/A atrazine can be used at layby following this treatment. Use 3.5 qt/A Lexar if soil OM is above 3%. Do not follow this treatment with an HPPD inhibitor such as Callisto, Impact or Laudis. Use caution if Counter or other OP insecticides were used at planting; consult label.
alachlor @ 2.0 - 3.0 lb/A	Micro-tech @ 2.5 qt/A on coarse soil 2.5-3 qt/A on med-heavy soil	Most annual grasses including signalgrass, seedling johnsongrass and pigweeds	Apply after planting before weeds emerge. May also be used before planting; consult label. Poor control of most large seeded broadleaf weeds. Suggested for use in fields where grasses are a problem. Mix with atrazine for improved broadleaf weed control; consult label. Adjust rate per label if OM > 3%.
alachlor @ 1.25-2.3 lb/A + atrazine @ 0.75-1.4 lb/A	Lariat, Bullet @ 2.0-2.5 qt/A on coarse soil 2.0-3.0 qt/A on medium soil	Most small seeded annual grasses (including fall panicum) and broadleaf weeds	Apply after planting before weeds emerge. See comments for alachlor and atrazine. Adjust rates per label if OM > 3%.

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
PREEMERGENCE: continued			
pendimethalin @ 0.50 - 1.5 lb/A	2-3.75 qt/A on heavy soil Prowl/Pendimax 3.3EC @ 1.2-1.8 pt/A on coarse soil 1.8-2.4 pt/A on medium soil 2.4-3.6 pt/A on heavy soil Prowl H2O @ 1-1.58 pt/A on coarse soil 1.58-2.1 pt/A on medium soil 2.1-3.16 pt/A on heavy soil	Most annual grasses, seedling johnsongrass and some broadleaf weeds	Apply to the soil surface after planting but before weeds or corn emerge. Plant corn at least 1.5" deep. Do not use if furrow is not completely closed. An activating rainfall is needed within 7 days of application. Economical treatment but weed control may not be as consistent as Lasso, Dual or Outlook. Apply with atrazine for improved grass and broadleaf weed control.
flumetsulam @ 0.04-0.05/A + clopyralid @ 0.14-0.16 lb/A	Hornet @ 3.2-4 oz/A on light soil 4-4.8 oz/A on med-heavy soil	Broadleaves, good on prickly sida	Apply after planting before weeds emerge. Limited use due to long rotation interval. Interacts with certain insecticides. Consult label before using.
POSTEMERGENCE:			
atrazine @ 2.0 lb/A	80 DF formulations @ 2.5 lb/A 90 DF formulations @ 2.2 lb/A 4L formulations @ 2 qt/A 5L formulations @ 1.6 qt/A Apply with COC @ 1gal/100 gal	Most broadleaf weeds and some grasses; grasses must be very small to obtain control	Apply before weeds exceed 1.5" or corn exceeds 12" in height. Do not exceed 2.5 lb ai/A atrazine per season. Do not graze or feed forage from treated areas to livestock for 21 days after treatment. Consult label for rotation restrictions and tank-mixes.
Glyphosate ⁵ @ 1 lb/A	5.5 L formulations @ 22 oz/A 4 L formulations @ 32 oz/A	Most annual grasses and broadleaf weeds	Roundup Ready Corn Only. Apply from corn emergence until 8 leaves with collars (or 30"). Consult product labels for glyphosate products cleared on Roundup Ready corn. Do not exceed more than 44 oz/year Roundup WeatherMax or 64 oz/yr of other formulations.
rimsulfuron @ 0.014 lb/A + thifensulfuron-methyl @ 0.003 + a safener	Resolve @ 1.25 oz/A Apply with COC @ 1 gal/100gal + 2 qt/A UAN	Improved grass and broadleaf weed control when mixed with other herbicides; consult label. Provides some residual control.	Apply to corn up to 20 inches tall or that has no more than 7 collars. An activating rainfall within 5-7 days of application is required for residual control. Do not use on fields treated with Counter; consult label.
Glyphosate ⁵ @ 1 lb/A + rimsulfuron @ 0.014 lb/A + thifensulfuron- methyl @ 0.003 lb/A + atrazine @ 1-2 lb/A	5.5 L glyphosate @ 22 oz/A or 4 L glyphosate @ 32 oz/A + Resolve Q @ 1.25 oz/A + 4 L atrazine @ 1-2 qt/A	Most annual grass and broadleaf weeds, with some residual grass control	Roundup Ready Corn Only. Apply from emergence to 12 inch corn or just prior to exhibiting 6 collars. See the above comments for glyphosate, Resolve Q and atrazine. Do not use on fields treated with Counter; consult label.
glyphosate @ 1.0 lb/A + s- metolachlor @ 1.0 lb/A + mesotrione @ 0.10 lb/A + atrazine @ 0.25-2.0 lb/A	Halex GT @ 3.8 pt/A + atrazine 4L @ 0.25-2 qt/A Apply with NIS @ 1-2 qt/100 gal plus AMS 8.5-17 lb/100 gal	Most annual grass and broadleaf weeds; good residual control	Roundup Ready Corn Only. Apply after emergence up to 12 inch corn. If corn is 12-30 (V8) inches tall apply Halex GT alone. Do not use more than 2.5 lb ai/A/season of atrazine. Do not use Halex GT if another HPPD inhibitor such as Callisto, Impact or Laudis has or will be used. Do not use on fields treated

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
POSTEMERGENCE: continued			
glufosinate @ 0.40 lb/A	Ignite 280 @ 22 oz/A	Many annual grasses and broadleaf weeds. Adhere to weed size restrictions on label or unsatisfactory control will result	Liberty Link Corn Only. Apply from emergence through V5. Apply before weeds are 2-3 inches tall with atrazine and/or residual grass herbicides. Refer to label for approved tank-mixes. Will not control large escaped grasses. Make no more than 2 applications per year. Do not apply more than 44 oz/year
mesotrione @ 0.094 lb/A + atrazine @ 0.5 lb/A	Callisto @ 3 oz/A + Atrazine 4L or equivalent @ 1 pt/A Apply with COC @ 1 gal/100 gal; consult label for precautions	Many broadleaf weeds, including copperleaf; broadleaf signalgrass (<2") and large crabgrass (<2"), weak on most grasses; Callisto alone will not control teaweed and most morningglories.	Apply before weeds are 4 inches tall. Has excellent residual weed control, so early applications are encouraged. Do not use if Counter was used at planting; consult label for other use restrictions. See the Callisto label for other tank-mixtures.
pendimethalin @ 0.5-1.5 lb/A + atrazine @ 1.0 lb/A	Prowl/Pendimax 3.3EC @ 1.2-1.8 pt/A on coarse soil 1.8-2.4 pt/A on medium soil 2.4-3.6 pt/A on heavy soil Prowl H2O @ 1-1.58 pt/A on coarse soil 1.58-2.1 pt/A on medium soil 2.1-3.16 pt/A on heavy 4L atrazine @ 1 qt/A 5L atrazine @ 0.8 qt/A	Most annual grasses and broadleaf weeds	Apply before weeds emerge and corn is 4" tall. "Culti-Spray" as per label is beneficial on certain weeds or when an activating rainfall is not received within 7 days of application. The addition of COC will be necessary to control emerged weeds. Some injury may result from this application.
dicamba @ 0.25-0.5 lb/A	Clarity, Banvel @ 0.5 pt/A on coarse soil 1.0 pt/A on med-heavy soil Apply with NIS @ 1pt/100 gal; consult label for precautions	Most broadleaf weeds	Apply after corn emergence before the 5 th leaf stage or corn is 8 inches tall. During periods of rapid growth temporary leaning may occur. Do not cultivate until corn recovers. Mixing with atrazine adds residual control. Do not use crop oil. May be used on corn 8-24 inches tall at a reduced rate; consult label.
nicosulfuron @ 0.031 lb/A	Accent Q @ 0.9 oz/A Apply with COC @ 1 qt/100 gal or NIS @ 2 pt/100 gal plus 2 qt/A UAN; consult label for correct adjuvant system when mixing with other herbicides.	Annual grasses, johnsongrass, pigweeds and morningglories. Can be erratic on crabgrass, yellow foxtail and under heavy signalgrass pressure.	Apply to corn up to 20 inches tall. Do not broadcast after the 6 leaf stage. Can be used as a rescue treatment on corn 20-36 inches tall (V10) if drop nozzles are used; consult label. Can be mixed with other herbicides, including atrazine, for broad-spectrum and/or residual weed control. Not all tank-mixes can be applied to corn taller than 12 inches; consult label. Best results are observed when corn is less than 12 inches tall and weeds are less than 4 inches tall. Do not apply to corn treated with Counter 15 G; consult label

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
POSTEMERGENCE: continued			
bromoxynil @ 0.25 - 0.50 lb/A	Buctril @ 1.0 - 1.5 pt/A	Many broadleaf weeds	Apply before corn is 14" tall and weeds are in the 2-4 leaf stage. May serve as a replacement for 2,4-D in phenoxy sensitive areas.
	Adjuvants required; see label		
2,4-D amine @ 0.25 – 0.5 lb/A	2,4-D Amine @ 0.5-1.0 pt/A	Broadleaf weeds	Apply before corn is 15" tall or after grain is dented. Do not treat at tasseling and silking stage. If necessary to spray after corn is 15" tall but before tasseling, do not spray in whorl. Under certain conditions injury is possible; consult label.
dicamba 0.13 lb/A + diflufenzopyr @ 0.5 lb/A + nicosulfuron @ 0.031 lb/A	Celebrity Plus @ 4.7 oz/A Apply with NIS @ 2-4 pt/100 gal; use higher rate under drought conditions	Most broadleaves and grasses	Apply after corn is 4 inches tall up to 24 inches or the 6 leaf stage. Use drop nozzles after corn is 20 inches tall. During periods of rapid growth or stress temporary leaning may occur. Do not cultivate until corn recovers to avoid breaking the plants. Avoid contact with the whorl. Do not use on fields treated with Counter 15 G; consult label for other restrictions.
dicamba @ 0.138-0.276 lb/A + diflufenzopyr @ 0.05-0.1 lb/A + a safener	Status @ 5-10 oz/A Apply with NIS @ 1qt/100 gal or COC @ 1-2 pt/A or MSO @ 1-2 pt/A	Most broadleaf weeds	Apply after corn is 4 inches tall (V2) up to 36 inches (V10). Do not apply within 15 days of tassel emergence. Can be mixed with atrazine for residual weed control. Do not mix with 2,4-D or more dicamba. Do not mix with EC herbicides, such as Dual, Lasso or Harness. Do not apply to stressed or injured corn.
nicosulfuron @ 0.023 lb/A + rimsulfuron @ 0.012 lb/A + safener	Steadfast Q @ 1.5 oz/A Apply with COC @ 1 qt/100 gal or MSO @ 2 pt/100 gal or NIS @ 2 pt/100 gal plus 2 qt/A UAN; consult label for correct adjuvant system when mixing with other herbicides.	Most annual grasses, johnsongrass, and some broadleaf weeds. Better on annual grasses than Accent alone.	Apply to corn up to 20 inches tall. Don't apply after the 6 leaf stage. Can be mixed with other herbicides, including atrazine, for broad-spectrum and/or residual weed control. Not all tank-mixes can be applied to corn taller than 12 inches; consult label. Best results are observed when corn is less than 12 inches tall and weeds are less than 4 inches tall. Do not apply to corn treated with Counter 15 G; consult label for other restrictions.
primisulfuron @ 0.51 oz/A	Beacon @ 0.76 oz/A Apply with NIS @ 2 pt/100 gal or COC @ 1 gal/100 gall	Johnsongrass and pigweeds	Apply when corn is 4-20" tall and seedling johnsongrass is 4-12" tall or rhizome johnsongrass is 8-16 inches tall. Do not use if Counter 15 G was used at planting; consult label for other restrictions.
prosulfuron @ 0.285 oz/A + primisulfuron @ 0.285 oz/A	Exceed WDG @ 1 oz/A Apply with NIS @ 2 pt/100 gal or COC @ 1 gal/100 gall	Broadleaves and some grass suppression	Apply when corn is 4-48" tall. Direct applications when corn is 24-48" tall. Do not apply to non-IR corn if any organophosphate (OP) insecticide was used prior to or during planting. Consult label for additional

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
POSTEMERGENCE: continued			
dicamba @ 0.28-0.48 lb/A + atrazine @ 0.53-0.92 lb/A	Marksman WD @ 2 pt/A on coarse soil 3.5 pt/A on med-heavy soil Apply with NIS @ 1 qt/100 gal or COC @ 1 gal/100 gal	Broadleaves	Apply to corn after emergence up to the 5 th leaf stage or 8 inches tall, whichever occurs first. May tank-mix with other herbicides. Observe maximum atrazine rates on label. Consult label for crop rotation restrictions and additional information.
halosulfuron-methyl @ 0.032-0.063 lb/A	Permit 75WG @ 2/3-1 1/3 oz/A Apply with NIS @ 1 qt/100 gal or COC @ 1 gal/100 gal	Purple and yellow nutsedge, common cocklebur	Apply to spiking corn thru layby. Do not exceed two applications with a total of 2 2/3 oz/A/season Permit. May tank-mix with other herbicides for broad-spectrum weed control; consult label. Consult label for recrop intervals and other information.
flumetsulam + clopyralid	Hornet @ 4 oz/A of coarse soil 4-5 oz/A on med-heavy soil Apply with NIS @ 2 pt/100 gal or COC @ 1 gal/100 gal	Many broadleaf weeds, including prickly sida. Weak on some morningglory species; can be mixed with atrazine at reduced rates; consult label	Apply from emergence up to 20 inch corn. Can be applied as a directed treatment up 36 inch corn. Works best on small weeds and before corn is 2 inches tall. Do not use if soil pH >7.8. Do not use if OM <1.5%. Do not use if Counter or Thimet insecticides have been used; consult label for other restrictions. Limited use due to rotation restrictions; see label.
halosulfuron-methyl @ 0.031-0.062 lb/A + dicamba @ 0.14-0.28 lb/A	Yukon 67.5 WSG @ 4-8 oz/A Apply with NIS @ 1 qt/100 gal or COC @ 1 gal/100 gal	Nutsedge, morningglories, ragweed	Apply at spike to 36 inch corn. Do not exceed 8 oz/a/season. May tank-mix with other herbicides for broadspectrum weed control; consult label. Consult label for recrop intervals and other information
DIRECT POSTEMERGENCE/LAYBY:			
paraquat @ 0.26-0.64 lb/A	Gramoxone Inteon @ 16-40 oz/A Apply with NIS @ 1 qt/100 gal	Annual grasses and weeds less than 4" tall	Apply after corn is 10" tall. Directed spray only. Avoid all spray contact with corn foliage. Use low pressure and large droplets. Use 20-40 GPA.
atrazine @ 1-2 lb/A	Atrazine 4L @ 1-2 qt/A	Most annual weeds	Apply after last cultivation when corn is 20-30" tall. Use drop nozzles to keep spray off corn leaves. Do not exceed a total of 2.5 lb/A/ season. Apply in 10-20 GPA.
linuron @ 0.63-1.5 lb/A	Linex 4L @ 1.25-3 pt/A Apply with NIS @ 2 qt/A	Most annual weeds	Apply when corn is at least 15" tall and weeds are not more than 8" tall. Use as a directed spray. Foliar burn of corn may result from contact by spray. Do not apply to sandy or sandy loam soils. Apply in 20 GPA. Consult label for recrop intervals and other information.
diuron @ 0.6 - 0.75lb/A	Karmex DF @ 0.75-1.0 lb/A Direx 4L @ 1.25-1.5 pt/A	Most annual weeds	Apply after last cultivation when corn is 20 to 30" tall. Do not apply over top of corn. Apply as directed spray. Add surfactant if small weeds are present. Apply lower

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Active Ingredient and Rate ³	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
HARVEST AIDS:			
carfentrazone @ 0.031 lb/A	Aim @ 1.9 oz/A	Better on vines than pigweed, sickelpod, etc	rate to light soil. Apply in 20 gal water per acre. Apply after grain has begun to dry down. Use a minimum volume of 10 gallons by ground and 5 gallons by air. Do not apply within 3 days of harvest.
paraquat @ 0.3 - 0.49 lb/A	Apply with COC @ 1 gal/100 gal Gramoxone Inteon @ 1.2-2.0 pt/A	Grasses and broadleaves	Apply after black layer has formed. Use a minimum of 20 gallons by ground or 5 gallons by air. Apply at least 7 days prior to harvest.
	Apply with NIS @ 1 qt/100 gal		

FOOTNOTES

¹ Refer to the burndown section of this guide for suggestions on managing cool season weeds.

² Suggestions are for field corn grown for grain. Consult labels before using these herbicides on corn grown for seed or silage.

³ Refer to the herbicide resistance section of this guide for suggestions on herbicide resistance management.

⁴ Dual is manufactured by Syngenta Crop Protection, has been extensively used in corn production and has the common name metolachlor. When metolachlor is manufactured, it contains a 1:1 ratio of two metolachlor isomers; the -R and the -S isomer. The -S isomer has greater herbicidal activity than the -R isomer, which allows for a reduction in the amount of -S isomer herbicide needed to obtain similar weed control compared to the -R isomer herbicide. To differentiate between metolachlor herbicides containing the -R or -S isomer consult the label under the "active ingredients" section. The -R isomer is denoted by metolachlor while the -S isomer is denoted by acetamide -(s). Alternatively, according to the Syngenta Crop Protection labels, if the trade names Bicep or Dual include the word "Magnum" (Dual Magnum, Dual II Magnum, Bicep II Lite Magnum), the -S isomer is an active ingredient. If the trade name does not include "Magnum", the metolachlor -R:-S isomer ratio is 1:1 (Dual II, Bicep II, Bicep Lite II).

⁵ See "Appendix A" for **GLYPHOSATE PRODUCTS, FORMULATIONS AND SURFACTANT RECOMMENDATIONS.**