

Crop, Situation, and Active Chemical Per Broadcast Acre	Weeds Controlled	Formulated Material Per Broadcast Acre	Time of Application	Method of Application and Precautions
<b>Glyphosate-resistant Italian Ryegrass Preemergence – October 15 - November 30</b>				
S-metolachlor @ 0.75 to 1.3 lb/A	Italian ryegrass and other small seeded grasses and broadleaves.	<b>Dual Magnum</b> 7.62 EC 1.33 to 1.67 pt/A	Apply in the fall by November 1.	Prior to ryegrass emergence. If ryegrass is emerged apply with Select Max 16 oz/A or paraquat 32 oz/A. <b>Do not plant rice following spring.</b>
pyoxasulfone @ 0.08 to 0.15 lb/A	Italian ryegrass and other small seeded grasses and broadleaves.	<b>Zidua</b> 4.17 SC 2.5 to 4.5oz/A	Apply in the fall by November 1.	Prior to ryegrass emergence. If ryegrass is emerged apply with Select Max 16 oz/A or paraquat 32 oz/A. <b>Do not plant rice following spring.</b>
pyoxasulfone plus carfen-trazone @ 0.08 to 0.15 lb/A plus 0.006 to 0.010 lb/A	Italian ryegrass and other small seeded grasses and broadleaves.	<b>Anthem Flex</b> 4 SC 2.75 to 5.0 oz/A	Apply in the fall by November 1.	Prior to ryegrass emergence. If ryegrass is emerged apply with Select Max 16 oz/A or paraquat 32 oz/A. <b>Do not plant rice following spring.</b>
S-metolachlor plus metribuzin @0.98 to 1.31 lb/A plus 0.23 to 0.31 lb/A	Italian ryegrass and other small seeded grasses and broadleaves.	<b>Boundary</b> 6.5 EC 1.5 to 2.0 pts/A	Apply in the fall by November 1.	Prior to ryegrass emergence. If ryegrass is emerged apply with Select Max 16 oz/A or paraquat 32 oz/A. <b>Only soybean can be planted in the spring.</b>
clomazone @ 0.375 to 0.98 lb/A	Italian ryegrass and other small seeded grasses and broadleaves.	<b>Command</b> 3ME 16 to 42 oz/A	Apply in the fall by November 1.	Prior to ryegrass emergence. If ryegrass is emerged apply with Select Max 16 oz/A or paraquat 32 oz/A. Use lower rate on lighter soil types such as silt loams. <b>Only rice, soybean and cotton can be planted in the spring.</b>
<b>Glyphosate-resistant Italian Ryegrass Postemergence</b>				
clethodim @ 0.12 lb/A	Ryegrass and other grass weeds.	<b>Select Max</b> 0.97 EC 16 oz/A	Postemergence. Add a surfactant.	For best control of ryegrass, spray prior to reproductive stages with temperatures in the 50's. Tankmixtures with auxin herbicides such as dicamba and 2,4-D can cause antagonism and result in reduced control.
paraquat @ 0.47 to 0.94 lb/A	Ryegrass and other emerged weeds.	<b>Paraquat</b> (3 lb formulations) 32-40 oz/A	Postemergence. Add a surfactant.	For best control of ryegrass, spray prior to reproductive stages with temperatures in the 50's. Two applications may be necessary if applied later in the spring.
paraquat plus PSII inhibitor @ 0.47 to 0.94 plus 0.25 - 5.0 lb/A	Ryegrass and other emerged weeds.	<b>Paraquat</b> (3 lb formulations) 32-40 oz/A + <b>PSII Inhibitor</b> 0.25 - 1.0 lb ai/A)	Postemergence. Add a surfactant. Better control than paraquat alone.	Use metribuzin @ 0.25 - 0.375 lb ai/A prior to planting soybean atrazine @ 0.5 - 1.0 lb ai/A prior to planting corn, Cotoran 0.75-1.0 lb ai/A prior to planting cotton.
<b>CORN For additional information on burndown herbicides see page 21, WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES. Preplant–Burndown</b>				
glyphosate @ 1.0 lb/A	Emerged weeds.	<b>Glyphosate</b> (4 lb/gal formulations) 32 oz/A.	Apply at least 7 days before seedbed preparation.	Field must be free of standing water.
2,4-D amine @ 0.5 to 1 lb/A	Emerged broadleaf weeds.	<b>2,4-D Various formulations</b> 1 to 2 pt/A. Add 0.25% v/v nonionic surfactant.	See label for plant-back intervals.	Some plants are sensitive to off-target movement. Therefore, avoid drift. May be tank-mixed with glyphosate.
glyphosate + halauxfen-methyl @ 1 lb/A + 0.004 1lb/A	Annual grass and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Elevore</b> 2 pt/A + 1 oz/A.	At least 14 days prior to planting corn.	Good option for glyphosate-resistant. Check Arkansas State Plant Board website ( <a href="http://www.aad.arkansas.gov">www.aad.arkansas.gov</a> ) for updated regulations on dicamba applications.
glyphosate + thifensulfuron + tribenuron @ 1.0 + 0.016 to 0.025 lb/A	Improved control of curly dock, smartweed, henbit and garlic.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>FirstShot 50 SG</b> 32 oz/A + 0.5 to 0.8 oz/A.	Prior to planting.	Field must be free of standing water.
glyphosate plus tiafenaci0 @ 1lb/A plus 0.022 to 0.044 lb/A	Control of grass and broad-leaf weeds.	<b>Glyphosate</b> (4lb/gal formulations) 2pt/A + <b>Reviton</b> 2.83 SC 1-2 oz/A.	Prior to planting corn.	Postemergence burndown of winter annuals. No residual control provided.
glyphosate + halosulfuron + thifensulfuron @ 1.0 + 0.065 lb/A or 1.0 + 0.031 + 0.004 lb/A	Emerged weeds + enhanced sedge control. Will suppress other broadleaves.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Permit 75 WG or Permit Plus</b> 32 oz/A + 1 oz/A or 0.75 oz/A.	Apply prior to planting Pioneer IR corn hybrids or 1 month prior to planting other hybrids.	Field must be free of standing water. Soil pH must be less than 8.0.
glyphosate + 2,4-D + rimsulfuron/thifensulfuron @ 1 + 1 + 0.25/0.25 lb/A	Henbit, grasses and broad-leaves.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>2,4-D + Leadoff</b> 2 pt/A + 1.5 pt/A + 1.5 oz/A.	Can plant corn immediately. Hybrids that have increased sensitivity to ALS herbicides may be injured or stunted. Check hybrid seed tags or manufacturer for tolerance.	For horseweed, substitute dicamba 8 oz/A for 2,4-D. See label for specific plant-back intervals to soybean.

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saflufenacil + dimethenamid @ 0.022 to 0.044 + 0.2 to 0.4 lb/A	Horseweed burndown and residual control.	<b>Verdict 5.57 EC</b> 5 to 10 oz/A.	Prior to corn emergence	Tank mix with glyphosate, 1% MSO and 2% v/v of AMS or UAN for best activity.
saflufenacil @ 0.022 - 0.044 lb/A	Pigweed, horseweed, morning-glory and small-seeded broadleaves.	<b>Sharpen</b> 1 to 2 oz/A. Must use a minimum of 1% v/v MSO + AMS.	Prior to corn emergence. Timing to small weeds or prior to weed emergence.	Tank mix with glyphosate or paraquat. Use high water volumes for best coverage. See label for crop specific restrictions and limitations.
clethodim @ 0.12 lb/A	Ryegrass and other grass weeds.	<b>Select Max 0.97 EC</b> 16 fl oz/A	Postemergence. Add a surfactant.	<b>30 day plant-back to corn.</b> For best control of ryegrass, spray prior to reproductive stages with temperatures in the 50's. Tank-mixtures with auxin herbicides such as dicamba and 2,4-D can cause antagonism and result in reduced control.
paraquat @ 0.75 lb/A	Emerged weeds.	<b>Paraquat</b> (3 lb/gal formulations) 32-40 oz/A. Add 0.25% v/v nonionic surfactant.	Use high rate on weeds larger than 2 inches.	Provides rapid desiccation of existing vegetation. Paraquat is sensitive to off-target movement; therefore, drift control is necessary. Refer to label for precautions and tank-mix instructions.
paraquat + atrazine @ 0.75 lb/A + 1.0 lb/A	Emerged weeds.	<b>Paraquat</b> (3 lb/gal formulations) 32-40 oz/A. Add 0.25% v/v nonionic surfactant. <b>+ AAtrex 4L</b> 1 qt/A	Use high rate on weeds larger than 2 inches.	Provides rapid desiccation of existing vegetation. Paraquat is sensitive to off-target movement; therefore, drift control is necessary. Refer to label for precautions and tank-mix instructions. Control is increased with atrazine added to tank.
<b>COTTON For additional information on burndown herbicides see p. 21, WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES. Preplant–Burndown</b>				
paraquat @ 0.47 to 0.94 lb/A	Most emerged broadleaf weeds and grasses.	<b>Paraquat</b> (3 lb/gal formulations) 32 to 40 oz/A. or 1.25 to 2.5 pt/A. Use high rate on weeds larger than 2 inches. Add a surfactant (p. 3).	After beds are formed but prior to planting.	Apply for knockdown of existing vegetation prior to planting. Not dependent upon temperature for activity. Add 2,4-D or Clarity for improved control of horseweed. Add Cotoran or Diuron for improved control.
glufosinate @ 0.73 lb/A	Most emerged broadleaf and grass weeds.	<b>Glufosinate</b> (280 SL formulations) 40 oz/A. Follow label for surfactant use.	Prior to planting.	Add 2,4-D or Clarity for improved control of horseweed if preplant interval can be achieved. Use nozzles and pressure that create medium spray droplets. Use 10 gpa.
glyphosate @ 1 lb/A	Annual grasses and broadleaf weeds. Does not control entire-leaf and ivyleaf morningglories.	<b>Glyphosate</b> (4 lb/gal formulations) 2 pt/A.	Use prior to planting for vegetation knockdown.	Add 2,4-D or Clarity for control of horseweed.
glyphosate + carfentrazone @ 1 lb/A + 0.016 lb/A	Improved control of morning-glory and henbit.	<b>Glyphosate</b> (4 lb/gal formulations) <b>+ Aim 2EC</b> 2 pt/A + 1.0 oz.	Use prior to planting for vegetation knockdown.	Add surfactant if glyphosate formulation does not contain one. Add 2,4-D or Clarity for improved control of horseweed.
glyphosate plus tiafenacil @ 1lb/A plus 0.022 to 0.044 lb/A	Control of grass and broadleaf weeds.	<b>Glyphosate</b> (4lb/gal formulations) 2pt/A <b>+ Reviton 2.83 SC</b> 1-2 oz/A	14 days prior to planting cotton.	Postemergence burndown of winter annuals. No residual control provided.
glyphosate + 2,4-D @ 1 lb/A + 1 lb/A	Annual grasses and broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) <b>+ 4 SL 2,4-D Amine</b> 2 pt/A + 2 pt/A.	At least 28 days prior to planting.	Adding residual herbicide such as Caparol, Valor, Cotoran or Direx provides residual control of horseweed.
glyphosate + 2,4-D + rimsulfuron/thifensulfuron @ 1 + 1 + 0.25/0.25 lb/A	Annual grasses and broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) <b>+ 2,4-D + LeadOff/Crusher</b> 2 pt/A + 1.5 pt/A + 1.5 oz/A.	At least 30 days prior to planting. Some injury from LeadOff has been observed.	For horseweed use 8 oz/A dicamba.

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<b>COTTON</b> For additional information on burndown herbicides see page 21, WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES. Preplant–Burndown [cont.]				
glyphosate + dicamba @ 1 lb/A + 0.25 lb/A	Annual grasses and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>dicamba</b> 2 pt/A + 8 oz/A.	At least 21 days following 1 inch of rainfall prior to planting non-Xtend varieties.	Good option for glyphosate-resistant horseweed. Adding residual herbicide such as Valor, Caparol, Cotoran or Direx provides residual control of horseweed. Check plant-board rules prior to application.
glyphosate + dicamba @ 1 lb/A + 0.5 - 1 lb/A	Annual grasses and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Xtendimax</b> 2 pt/A + 22 - 44 oz/A. <b>or Engenia</b> 12.8 oz/A	Prior to planting XtendFlex cotton.	Good option for glyphosate-resistant horseweed. Check Arkansas State Plant Board website ( <a href="http://www.aad.arkansas.gov">www.aad.arkansas.gov</a> ) or updated regulations on dicamba applications.
glyphosate + haloxifenmethyl @ 1 lb/A + 0.004 lb/A	Annual grasses and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Elevore</b> 2 pt/A + 1 oz/A.	At least 30 days prior to planting cotton.	Good option for glyphosate-resistant horseweed. Add 2,4-D for control of primrose.
glyphosate + flumioxazin @ 1 lb/A + 0.032 to 0.063 lb/A	Annual grasses and broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Valor 51 WDG</b> 2 pt/A + 1 to 2 oz/A.	At least 14 days for 1 oz/A or 21 days for 2 oz/A + 1 inch of rain prior to planting.	Valor is rainfast in 1 hour. Provides residual control of horseweed. Add Clarity for resistant horseweed.
glyphosate + fomesafen @ 1 lb/A + 0.25 lb/A	Broadleaf weeds including Palmer pigweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Reflex 2 EC</b> 2 pt/A + 1 pt/A.	Apply 14-21 days preplant + 0.5 inch rainfall prior to planting.	Provides residual control of horseweed and pigweed for 6 weeks after application. Knocking or dragging top of beds prior to planting will remove herbicide and allow weed infestation.
glyphosate + flumioxazin + dicamba @ 1 lb/A + 0.063 lb/A + 0.25 lb/A	Annual grass and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>dicamba</b> + <b>Valor 51 WDG or Afforia</b> 2 pt/A + 8 oz/A + 2 oz/A or 2.5 oz/A.	At least 30 days following 1 inch of rainfall prior to planting.	Provides residual control of horseweed and pigweed for 6 weeks after application.
glyphosate + oxyfluorfen @ 1 lb/A + 0.25 lb/A	Annual grass and broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Goal 2XL</b> 2 pt/A + 1 pt/A.	Apply late February to mid March.	If planting directly into the stale seedbed, application of Goal requires at least 30 days prior to planting <b>and</b> at least three ¼-inch rainfalls. If these conditions are not met, a 2-inch surface incorporation is required before planting.
clethodim @ 0.12 lb/A	Ryegrass and other grass weeds.	<b>Select Max 0.97 EC</b> 16 fl oz/A.	Postemergence. Add a surfactant.	For best control of ryegrass, spray prior to reproductive stages with temperatures in the 50's. Tank-mixtures with auxin herbicides such as dicamba and 2,4-D can cause antagonism and result in reduced control.
<b>SOYBEANS</b> For additional information on burndown herbicides see page 21, WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES. Preplant–Burndown				
paraquat @ 0.47 to 0.94 lb/A	Annual broadleaf and grass weeds (existing vegetation).	<b>Paraquat</b> (3 lb/gal formulations) <b>32 to 40 oz/A.</b> Use high rate on weeds larger than 2 inches. Add a surfactant (p. 3).	Use prior to planting on seedbeds that are not to be disturbed before planting. Use higher rate on weeds larger than 2 inches.	Good spray coverage is essential. Adding metribuzin will increase activity.
glyphosate @ 1 lb/A	Annual grasses and broadleaf weeds (existing vegetation). Weak on morningglories.	<b>Glyphosate</b> (4 lb/gal formulations) 2 pt/A. Use high rate on all but very small weeds.	Use prior to planting for vegetation knockdown.	Best results when applied in lower spray volumes, i.e., 5 to 10 gpa.

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glufosinate @ 0.64 lb/A	Good option for glyphosate-resistant horseweed. Annual grasses and broadleaf weeds (existing vegetation).	<b>Glufosinate</b> (280 SL formulations) 36 oz/A.	Use prior to planting for vegetation knockdown.	Good coverage and warm weather will increase efficacy. Do not use prior to planting LibertyLink soybeans.
glyphosate or paraquat + metribuzin @ 1 lb/A or 0.47 to 0.78 + 0.25 to 0.75 lb/A	Postemergence control of existing annual weeds. See rating table for preemergence control with metribuzin.	<b>Glyphosate</b> (4 lb/gal formulations) <b>or Paraquat</b> (2 or 3 lb/gal formulations) + <b>Metribuzin 75DF</b> 2 pt/A or 32 to 64 oz/A or 1.8 to 3 pt/A + 0.33 to 1 lb/A DF. Add 0.25% surfactant.	At planting or prior to crop emergence.	Tank mix. Apply as above. Do not use on sensitive varieties listed on label. A list of metribuzin-tolerant varieties is available. Avoid use on high pH soils.
glyphosate or paraquat + chlorimuron/metribuzin @ 1 lb/A or 0.47 to 0.94 + 0.188 lb/A	Annual broadleaf and grass weeds. Improved control of cocklebur, hemp sesbania, morningglories, smartweed and prickly sida. See rating table for preemergence control with Canopy.	<b>Glyphosate</b> (4 lb/gal formulations) <b>or Paraquat</b> (2 or 3 lb/gal formulations) + <b>Canopy 75DF</b> 2 pt/A or 32 to 64 oz/A or 1.8 to 3 pt/A + 6 oz/A. Add 0.25% surfactant.	Prior to planting.	This is a reduced rate of Canopy. Higher rates have been shown to cause injury in minimum tillage culture. Tank mix with Dual or another grass herbicide, or follow this treatment with a postemergence grass herbicide for season-long grass control. A follow-up postemergence broadleaf treatment will also likely be needed.
glyphosate or paraquat + sulfentrazone/cloransulam @ 1 lb/A or 0.47 to 0.94 + 0.13 to 0.26 lb/A	Annual broadleaf and grass weeds. Improved control of cocklebur, morningglories, smartweed and horseweed. Additional residual control of many broadleaf weeds, including Palmer amaranth.	<b>Glyphosate</b> (4 lb/gal formulations) <b>or Paraquat</b> (2 or 3 lb/gal formulations) + <b>Sonic</b> 2 pt/A or 32 to 64 oz/A or 1.8 to 3 pt/A + 3 to 6 oz/A.	Prior to planting.	Tank mix. Good program for burndown with residual broadleaf control. Good program for LibertyLink soybeans.
glyphosate + oxyfluorfen @ 1 lb/A + 0.25 lb/A	Annual grass and broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Goal 2XL</b> 2 pt/A + 1 pt/A.	Apply late February to mid March.	If planting directly into the stale seedbed, application of Goal requires at least 30 days prior to planting <b>and</b> at least three ¼-inch rainfalls. If these conditions are not met, a 2-inch surface incorporation is required before planting.
glyphosate or paraquat + 2,4-D or dicamba + chlorimuron/tribenuron or flumioxazin @ 1 lb/A or 0.47 to 0.94 + 1 lb/A or 0.25 lb/A + 0.28 to 0.37 lb/A or 0.063 lb/A	Horseweed and other broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) <b>or Paraquat</b> (3 lb/gal formulations) + <b>2,4-D or dicamba + Canopy EX or Valor</b> (or other Valor-containing premixes) 2 pt/A or 32 to 40 oz/A or 1.8 to 3 pt + 2 pt/A or 8 oz/A + 1.5 to 2 oz/A or 2 oz.	For dicamba and 2,4-D, 21 days after 1.0 inch rainfall, prior to planting.	Burndown plus enhanced control of broadleaf weeds. If horseweed is present, use at least 8 oz/A of dicamba.
glyphosate + dicamba @ 1 lb/A + 0.5 - 1lb/A	Annual grass and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Xtendimax</b> 2 pt/A + 22 - 44 oz pt/A. <b>or Engenia</b> 12.8 oz/A	Prior to planting Xtend soybean.	Good option for glyphosate-resistant horseweed. Add 2, 4-D for control of primrose. Visit <a href="http://elevoretankmix.com">elevoretankmix.com</a> for approved tankmix partners.
glyphosate + haloxifenmethyl @ 1 lb/A + 0.004 lb/A	Annual grasses and broadleaf weeds including horseweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Elevore</b> 2 pt/A + 1 oz/A.	At least 14 days prior to planting soybean.	Good option for glyphosate-resistant horseweed. Add 2, 4-D for control of primrose. Visit <a href="http://elevore-tankmix.com">elevore-tankmix.com</a> for approved tankmix partners.
glyphosate + thifensulfuron/tribenuron @ 1 lb/A + 0.016 to 0.025 lb/A	Improved control of garlic, curly dock, smartweed and henbit.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>FirstShot SG</b> 2 pt/A + 0.5 to 0.8 oz/A.	Immediately prior to planting. Label requires application be made at least 7 days prior to planting.	Burndown plus enhanced control of broadleaf weeds.
glyphosate + carfentrazone @ 1 lb/A + 0.016 lb/A	Improved control of morningglories.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Aim 2 EC</b> 2 pt/A + 1 oz/A.	At planting or prior to crop emergence.	Good spray coverage is essential.



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<b>SOYBEANS For additional information on burndown herbicides see page 21, WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES. Preplant–Burndown [cont.]</b>				
glyphosate plus tiafenacil @ 1lb/A plus 0.022 to 0.044 lb/A	Control of grass and broadleaf weeds.	<b>Glyphosate</b> (4lb/gal formulations) 2pt/A plus <b>Reviton 2.83 SC</b> 1-2 oz/A	14 days prior to planting soybean.	Postemergence burndown of winter annuals. No residual control provided.
glyphosate + 2,4-D + rimsulfuron/thifensulfuron @ 1 + 1 + 0.25/0.25 lb/A	Henbit, grasses and broad-leaves.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>2,4-D + Leadoff</b> 2 pt/A + 1.5 pt/A + 1.5 oz/A.	At least 30 days prior to planting. Recommend planting STS or BOLT soybeans to avoid risk of injury.	For horseweed, substitute dicamba 8 oz/A for 2,4-D. See label for specific plant-back intervals to soybean.
glyphosate + halsulfuron + thifensulfuron @ 1 + .031 to .062 + .004 to .008 lb/A	Sedges and smartweed.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Permit Plus 75 WG</b> 2pt + to 1.5 oz/A	Up to 21 days prior to planting.	*STS/BOLT soybean varieties only!
clethodim @ 0.12 lb/A	Ryegrass and other grass weeds.	<b>Select Max 0.97 EC</b> 16 fl oz/A.	Postemergence. Add a surfactant.	For best control of ryegrass, spray prior to reproductive stages with temperatures in the 50's. Tank-mixtures with auxin herbicides such as dicamba and 2,4-D can cause antagonism and result in reduced control.
sulfentrazone + metribuzin @ 0.225 + 0.2 lb/A	Broadleaf weeds.	<b>Authority MTZ</b> 12-16 oz/A. Add 1% COC.	Up to 14 days prior to planting.	Add glyphosate or paraquat for existing vegetation. See soil texture chart on page 47. For higher rates, use tolerant varieties. Use 16 oz/A on clay soils.
flumioxazin @ 0.063 lb/A	Residual horseweed control. No post horseweed activity.	<b>Valor 51 WDG</b> 2 oz/A.	Prior to soybean emergence.	Apply to clean ground or tank-mix for post weed control. Rainfall at emergence may result in injury, mainly cosmetic.
flumetsulam @ 0.05 to 0.066 lb/A	Horseweed and other broad-leaves.	<b>Python 80 WDG</b> 1 to 1.33 oz/A.	Prior to planting wheat-beans.	Contact and residual for horseweed. Good tank mix with glufosinate. Good option where horseweed is present less than 14 days prior to planting.
flumioxazin + chlorimuron/thifensulfuron	Residual horseweed control.	<b>Envive or Enlite WDG</b> 3.5 or 2.8 oz/A.	Prior to soybean emergence.	Use 2.8 oz/A Enlite on high pH soils.
saflufenacil @ 0.022 to 0.044 lb/A	Horseweed rapid burndown – regrowth will occur.	<b>Sharpen 2.85 SC</b> 1 to 2 oz/A.	Prior to soybean emergence. 30 days prior to plant depending on rate applied and soil type.	Tank mix with glyphosate, 1% MSO and 2% v/v of AMS or UAN for best activity. 30-day plant back on coarse soils.
saflufenacil + dimethenamid @ 0.022 to 0.044 + 0.2 to 0.4 lb/A	Horseweed burndown and residual control.	<b>Verdict 5.57 EC</b> 5 to 10 oz/A.	Prior to planting to preplant. 30 days prior to plant depending on rate applied and soil type.	Tank mix with glyphosate, 1% MSO and 2% v/v of AMS or UAN for best activity.
flumioxazin + thifensulfuron + tribenuron @ 0.063 + 0.008 + 0.008 lb/A	Residual horseweed control. No post horseweed activity. Post activity of winter annuals and smartweed.	<b>Afforia 50.8 WDG</b> 2.5 oz/A.	Prior to soybean emergence. Up to 3 days after planting.	Apply to clean ground or tank-mix for post weed control. Rainfall at emergence may result in injury, mainly cosmetic.
flumioxazin + chlorimuron + metribuzin @ 0.063 + 0.02 + 0.223 lb/A	Residual horseweed, pigweed and morningglory control.	<b>Trivence 61.3 DG</b> 8 oz/A.	Prior to soybean emergence.	Use 6 oz/A on high pH soils.
<b>RICE For additional information on burndown herbicides see p. 21, WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES. Preplant-Vegetation Knockdown</b>				
2,4-D amine @ 0.5 to 1 lb/A	Emerged broadleaf weeds.	<b>2,4-D Various formulations</b> 1 to 2 pt/A. Add 0.25% v/v non-ionic surfactant.	See label for plant-back intervals.	Some plants are sensitive to off-target movement. Therefore, avoid drift. May be tank-mixed with glyphosate.
glyphosate @ 1.0 lb/A	Emerged weeds.	<b>Glyphosate</b> (4 lb/gal formulations) 32 oz/A.	Apply at least 7 days before seed-bed preparation.	Field must be free of standing water.

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glyphosate + halosulfuron + prosulfuron @ 1 + 0.031 to 0.062 + 0.018 to 0.036 lb/A	Grasses, sedges, smartweed and other broadleaf weeds.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Gambit 79 WG</b> 2 pt + 1 to 2 oz/A	Prior to planting	Applications at or immediately following planting may result in rice injury. Do not apply if soil pH > 8.0.
glyphosate + halosulfuron + thifensulfuron @ 1.0 + 0.065 lb/A or 1.0 + 0.031 + 0.004 lb/A	Emerged weeds + enhanced sedge control. Will suppress other broadleaves.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>Permit 75 WG or Permit Plus</b> 32 oz/A + 1 oz/A or 0.75 oz/A.	Up to 14 days prior to planting.	Field must be free of standing water. Soil pH must be less than 8.0.
glyphosate + bensulfuron @ 1.0 + 0.023 lb/A	Improved control of yellow nut-sedge, morningglory and hemp sesbania.	<b>Glyphosate (4 lb/gal formulations) + Londax 60 DF</b> 32 oz/A + 0.5 oz/A.	Apply at least 7 days before seed-bed preparation or planting.	Field must be free of standing water.
glyphosate + clomazone @ 1.0 lb + 0.3-0.6 lb/A	Emerged weeds plus residual grass.	<b>Glyphosate</b> (4 lb/gal formulations) 32 oz <b>+ Clomazone 3 ME</b> 0.8-1.6 pt/A Medium (Silt Loam) 0.8-1.1 pt/A Fine (Clay) 1.3-1.6 pt/A Research has shown very little difference in grass control among rates within each soil type. <b>Note: On thin soils, especially those that have been leveled, consider rates as low as 0.5 pt/A.</b>	Up to 14 days prior to planting.	Field must be free of standing water. Antagonism on barnyardgrass has been documented with this tank mix. Always use full rate of glyphosate.
clethodim @ 0.12 lb/A	Ryegrass and other grass weeds	<b>Select Max</b> 0.97 EC 16 oz/A	Postemergence prior to ryegrass jointing. Add a surfactant. <b>Apply 30 days prior to planting rice.</b>	For best control of ryegrass, spray prior to reproductive stages with temperatures in the 50's. Tankmixtures with auxin herbicides such as dicamba and 2,4-D can cause antagonism and result in reduced control.
paraquat @ 0.75 lb/A	Emerged weeds.	<b>Paraquat</b> (3 lb/gal formulations) 32-40 oz/A. Add 0.25% v/v nonionic surfactant.	Use high rate on weeds larger than 2 inches.	Provides rapid desiccation of existing vegetation. Paraquat is sensitive to off-target movement; therefore, drift control is necessary. Refer to label for precautions and tank-mix instructions.
saflufenacil @ 0.022 - 0.088 lb/A	Pigweed, horseweed, morning-glory and small-seeded broadleaves.	<b>Sharpen</b> 1 to 4 oz/A. Must use a minimum of 1% v/v MSO + AMS.	Prior to planting. Timing to small weeds or prior to weed emergence.	Tank mix with glyphosate or paraquat. Use high water volumes for best coverage. See label for crop specific restrictions and limitations.
glyphosate + thifensulfuron + tribenuron @ 1.0 + 0.016 to 0.025 lb/A	Improved control of curly dock, smartweed, henbit and garlic.	<b>Glyphosate</b> (4 lb/gal formulations) + <b>FirstShot 50 SG</b> 32 oz/A + 0.5 to 0.8 oz/A.	Prior to planting.	Field must be free of standing water.