

SMALL GRAINS (Wheat, Barley, Oats and Rye)<sup>1</sup>

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
<b>PREPLANT:</b>			
chlorsulfuron @ 0.016 lb ai/A + metsulfuron @ 0.003 lb ai/A	Finesse @ 0.4 oz/A	Most common broadleaf weeds and annual bluegrass. Suppresses ryegrass.	<b>Wheat only:</b> Apply before planting. Drill wheat at least 1 inch deep or injury may occur. Do not use if wheat will be broadcast-seeded. Can be mixed with glyphosate to control emerged weeds. Extremely long rotation interval for most crops grown in Louisiana. STS soybeans can be grown 6 months after application; all other crops can be grown 18 months after application. Do not use an organophosphate insecticide within 60 days of application. Can be applied in a liquid nitrogen solution. No grazing restrictions.
<b>PREEMERGENCE:</b>			
chlorsulfuron @ 0.0195 lb ai/A + metsulfuron @ 0.004 lb ai/A	Finesse @ 0.5 oz/A	Most common broadleaf weeds and annual bluegrass. Suppresses ryegrass.	<b>Wheat only:</b> See comments on preplant section.
<b>POSTEMERGENCE:</b>			
2,4-D amine @ 0.5 - 1.0 lb/A 2,4-D ester @ 0.5 - 1.0 lb/A  2,4-D acid @ 0.2 - 0.7 lb/A	Various @ 1.0 - 2 pt/A* Various @ 1.0 - 2 pt/A* Barrage @ 6 -13 oz/A Unison @ 1.0 - 3.25 pt/A  * Based on 4 lb/gal product. See product labels for correct rate.	Dock, plantain, mustard and other broadleaf weeds. Also winter peas and vetch  <b>Wild onion or wild garlic.</b> Use the highest labeled rate. Control will not be complete, but aerial bulblet formation will be reduced. Less effective on wild garlic than on wild onion.	Application timing and grazing restrictions may vary; always refer to the label. Most labels allow applications after the onset of tillering. Applications are safest after 2-3 tillers have formed. Do not apply at panicle initiation, panicle differentiation, boot or heading stages. Panicle initiation and differentiation occur around the time the first internode is 0.5 inches long. Choose sunny days for making the application. LVE formulation is more compatible with nitrogen solutions. Do not graze or feed forage from treated fields within two weeks after treatment. Do not exceed these rates or severe injury may occur. <b>If used on oats or rye make application only after tillering is complete and before jointing.</b>
dicamba @ 0.125 lb/A + 2,4-D amine @ 1 lb/A	Clarity/Banvel @ 4 oz/A + 2,4-D amine @ 2.0 pt/A	Most broadleaf weeds, winter peas and vetch.  More effective on wild onion and wild garlic than 2,4-D alone.	<b>Wheat and Barley:</b> Do not use unless potential injury is acceptable. Application timing same as for 2,4-D, except that this combination may not be used after jointing.
thifensulfuron @ 0.009- 0.018 lb/A + tribenuron @ 0.0045 - 0.009 lb/A oz/A	Harmony Extra SG @ 0.45-0.9 oz/A  Apply with NIS @ 1-2 pt/100 gal	Wild garlic and many broadleaf weeds. Use 0.75 to 0.9 oz/A for wild garlic.  Does not control wild onion.	<b>Wheat, Barley and Oats:</b> Apply after the 2 leaf stage but before the flag leaf emerges. Do not use with nitrogen.

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<b>POSTEMERGENCE:</b> diclofop @ 0.80–1.5 lb/A	Hoelon @ 2.0–3.33 pt/A	Annual Ryegrass  Does not control annual bluegrass.	<b>Wheat and Barley:</b> Apply 2.0 to 2.66 pts/A to ryegrass from emergence to the 2-tiller stage. Use 2.66 to 3.33 pt/A for ryegrass in the 3 to 4-leaf stage. Do not use on larger ryegrass. Do not mix Hoelon with any other herbicide.
metribuzin @ 0.14 lb/A	Sencor 75DF @ 3.0 oz/A	Annual bluegrass, henbit and chickweed	<b>Wheat and Barley:</b> Apply between the 2 leaf and 2 tiller crop stage before weeds emerge. Injury may occur when applications are made to waterlogged soils. Some varieties may be sensitive to Sencor; consult label.
mesosulfuron-methyl 0.013 lb/A	Osprey @ 4.75 oz/A  Apply with MSO @ 1.5 pt/A	Annual ryegrass, annual bluegrass, limited broadleaf weed control	<b>Wheat only:</b> Apply when ryegrass is in the 1-leaf to 2-tiller stage. Can be applied from wheat emergence to jointing. Best results are obtained if applications are made before ryegrass tillers. Some transient leaf burn may occur if applied with nitrogen fertilizers. Can be tank-mixed with some broadleaf herbicides, insecticides and fungicides; consult label. See label for rotation intervals.
pinoxaden @ 0.054	Axial XL @ 16.4 oz/A	Ryegrass – <b>Will not kill Hoelon resistant ryegrass.</b>  Does not control annual bluegrass.	<b>Wheat and Barley:</b> Apply between the 2 leaf and pre-boot stage. For optimum control apply prior to the 3 tiller stage of ryegrass. Can be tank – mixed with some broadleaf herbicides, insecticides and fungicides. Consult label for approved pesticides. Do not graze within 30 days of application or harvest within 60 days after application. Straw can be fed to livestock 60 days after application. Rotation restrictions: 0 days – wheat and Barley; 30 days –leafy and root crops; 120 days – all other crops.
chlorsulfuron @ 0.016 lb ai/A + metsulfuron @ 0.003 lb ai/A	Finesse @ 0.4 oz/A  Apply with NIS @ 1-2 pt/A	Most common broadleaf weeds and annual bluegrass. Suppresses ryegrass.	<b>Wheat and Barley:</b> Apply anytime between the 1 leaf and boot stage. Do not apply in any boot or heading stage. Extremely long rotation interval for most crops grown in Louisiana. STS soybeans can be grown 6 months after application; all other crops can be grown 18 months after application. Do not use an organophosphate insecticide within 60 days of application. Can be applied in a liquid nitrogen solution. No grazing restrictions.

<sup>1</sup> Not all small grain herbicides are listed. Not all the herbicides or their use pattern is labeled or safe on all small grains. Following is a summary of which crop/use pattern labeled on small grains grown in Louisiana: **Wheat** all herbicides listed are labeled. **Barley** do not use Osprey at anytime or Finesse preplant or preemergence. **Oats** only 2, 4-D and Harmony Extra are labeled. **Rye** only 2, 4-D is labeled.