

# Sequence Guidelines for Cotton



<b>Modes of Action</b>	<ul style="list-style-type: none"> <li>Glyphosate inactivates a target enzyme responsible for the synthesis of several essential amino acids needed for weed growth and development. <i>S</i>-metolachlor inhibits lipid synthesis and cell development in weeds through a multi-site, non-specific mode of action.</li> </ul>
<b>Rate</b>	<ul style="list-style-type: none"> <li>Sequence<sup>®</sup> herbicide application rates range from 2.5 to 3.5 pts./A depending on weed target and soil type. See label for complete use and rate information.</li> </ul>
<b>Tank-mix Partners</b>	<ul style="list-style-type: none"> <li>Refer to label for complete tank-mix instructions.</li> </ul>
<b>Application Guidelines</b>	<ul style="list-style-type: none"> <li>Spray solutions of this product should be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.</li> <li>Apply Sequence alone or in tank mixtures by ground equipment in 10 to 40 gallons of spray mixture/A, unless otherwise specified.</li> <li>Aerial applications should be made in 3 to 15 gallons of water/A with low drift nozzles and 40 psi.</li> </ul>
<b>Other Application Restrictions</b>	<ul style="list-style-type: none"> <li>This product may not be mixed or loaded within 50 ft. of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs and all wells, including abandoned wells, drainage wells and sink holes.</li> <li>Do not store, mix or apply this product or spray solutions of this product in unlined steel (except stainless steel), aluminum, galvanized steel containers or sprayer tanks.</li> <li>Do not apply under conditions that favor runoff or wind erosion of soil containing this product to non-target areas.</li> <li>Do not apply this product through any type of irrigation system.</li> <li>Do not exceed 2.5 pts./A on sandy loam soils or 3.5 pts./A on medium and fine soils preplant or pre-emergence.</li> <li>Do not exceed 3.5 pts./A of Sequence per preplant or pre-emergence application.</li> <li>Do not exceed 2.5 pts./A in a single post-emergence application.</li> <li>Do not graze or feed forage or fodder from Sequence-treated cotton to livestock.</li> <li>Do not apply Sequence to emerged conventional cotton as severe crop injury will occur.</li> <li>Do not apply Sequence in Gaines County, TX.</li> <li>Do not apply to Taloka silt loam.</li> <li>Do not harvest within 100 days of a post-emergence over-the-top application of Sequence.</li> <li>Do not harvest cotton within 80 days of a post-directed application of Sequence.</li> </ul>
<b>Application Timing and Activation</b>	<p><b>Roundup Ready<sup>®</sup> Flex Cotton</b></p> <ul style="list-style-type: none"> <li>Sequence may be applied pre-emergence, post-emergence or post-directed.</li> <li>Post-emergence over-the-top applications may be made from cotyledon stage to the 10-leaf stage (not to exceed 12 inches tall) of cotton development. <b>Do not apply later as severe injury, including yield loss, could occur.</b></li> </ul> <p><b>Roundup Ready<sup>®</sup> (RR<sup>™</sup>) Cotton</b></p> <ul style="list-style-type: none"> <li>Sequence may be applied pre-emergence, post-emergence or post-directed.</li> <li>Post-emergence over-the-top applications may be made on cotton until 4th leaf.</li> <li>From 5th leaf through lay-by (until cotton reaches 12 inches), Sequence should be applied through precision post-directed (hooded) sprayers to avoid crop injury.</li> </ul> <p><b>Conventional Cotton</b></p> <ul style="list-style-type: none"> <li>Sequence may be applied before, during or after planting, but before crop emergence in minimum-till or no-till fields, in AR, KS, LA, MS, NM, OK, TN, TX and the bootheel of MO.</li> <li>In all post-emergence applications, weeds should be actively growing for optimum control.</li> </ul>
<b>Rotational Crops</b>	<ol style="list-style-type: none"> <li>If crop treated with Sequence alone is lost, corn, cotton, legume vegetables (succulent or dried), peanuts, potatoes, sorghum, soybean, sunflowers and transplanted tomatoes may be replanted immediately.</li> <li>Barley, oats, rye and wheat may be planted 4 1/2 months following treatment; alfalfa may be planted 4 months following treatment. Tomatoes may be planted 6 months following treatment.</li> <li>Root crops, tobacco, barley, buckwheat, milo, oats, rice, rye, wheat, cabbage, peppers, stone fruits and tree nuts may be planted in the spring following treatment. Clover may be seeded 9 months following treatment.</li> </ol>
<b>Personal Protective Equipment</b>	<ul style="list-style-type: none"> <li>Long-sleeved shirt, long pants, chemical-resistant gloves (Category A), including barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils and Viton<sup>®</sup> ≥ 14 mils, shoes plus socks</li> </ul>
<b>Re-entry Interval &amp; PPE for Early Entry</b>	<ul style="list-style-type: none"> <li>Re-entry interval: 24 hours</li> <li>PPE for Early Entry: Coveralls, chemical-resistant gloves (Category A) such as butyl rubber, natural rubber and neoprene rubber, shoes plus socks</li> </ul>
<b>Storage Requirements</b>	<ul style="list-style-type: none"> <li>Keep container closed to prevent spills and contamination.</li> </ul>
<b>Environmental Hazards</b>	<ul style="list-style-type: none"> <li>Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.</li> </ul>
<b>Ground Water Advisory</b>	<ul style="list-style-type: none"> <li>Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.</li> <li><i>S</i>-metolachlor has the potential to leach through soil into ground water under certain conditions as a result of agricultural use.</li> </ul>
<b>Surface Water Advisory</b>	<ul style="list-style-type: none"> <li>One of the active ingredients in Sequence, <i>S</i>-metolachlor, has the potential to contaminate surface water through ground spray drift.</li> <li>Under some conditions, the active ingredient may also have a high potential for runoff into surface water (primarily via dissolution in runoff water) for several months post-application.</li> </ul>

Weed Species	Sequence				Weed Species	Sequence			
	Pints Per Acre					Pints Per Acre			
	Maximum Weed (Height/Length)					Maximum Weed (Height/Length)			
	3"	6"	12"	18"		3"	6"	12"	18"
Anoda, spurred	2.5	3			Jimsonweed			2.5	3.5
Barley				2.5	Johnsongrass, seedling			2.5	2.5
Barleygrass		2.5	3.5		Junglerice	2.5	2.5	3.5	
Bassia, fivehook		2.5			Knotweed		2.5	3.5	
Bittercress				2.5	Kochia	2.5	2.5		
Bluegrass, annual			2.5		Lambsquarters, common		2.5	3	3.5
Bluegrass, bulbous			2.5		Lettuce, prickly		2.5	2.5	
Bristly starbur		2.5	2.5		Little barley			2.5	
Brome, downy			2.5		London rocket		2.5		2.5
Brome, Japanese			2.5	2.5	Mayweed	2.5	2.5		3.5
Browntop panicum		2.5	2.5	3.5	Morningglory <sup>4</sup>	2.5	3.5		
Buckwheat, wild <sup>1</sup>	3				Mustard, blue			2.5	2.5
Buffalobur	2.5		3.5		Mustard, tansy			2.5	2.5
Burcucumber		2.5	2.5		Mustard, tumble			2.5	2.5
Burgherkin	2.5	3.5			Mustard, wild			2.5	2.5
Buttercup <sup>2</sup>				2.5	Nightshade, black	2.5	2.5	3.5	
Camphorweed		3.5			Nightshade, hairy	2.5	2.5	3.5	
Canarygrass		2.5			Oats		2.5		2.5
Carolina geranium	2.5	3.5			Oats, wild		2.5		2.5
Carpetweed		2.5	2.5		Panicum, Texas			2.5	3.5
Cheat				2.5	Pennycress, field			2.5	
Chervil				2.5	Pigweed		2.5	2.5	3
Chickweed, common			2.5	2.5	Poinsettia, wild	2.5	3.5		
Chickweed, mouseear			2.5	2.5	Prickly sida (teaweed) <sup>4</sup>	2.5	3.5		
Citronmelon	2.5	3.5			Puncturevine	2.5	3.5		
Cocklebur, common			2.5	2.5	Purslane, common	2.5	3.5		
Coffee senna	2.5	3.5			Rabbitfootgrass		2.5		
Corn <sup>3</sup>			2.5	2.5	Ragweed, common		2.5	2.5	3.5
Corn speedwell			2.5		Ragweed, giant		2.5	2.5	3.5
Cowpea	2.5	3.5			Red rice	2.5			
Crabgrass		2.5	2.5		Redweed	2.5	3.5		
Crotalaria, showy	2.5	2.5	3.5		Rockpurslane (redmaids)		2.5		
Croton, tropic	2.5	3.5			Rye				2.5
Crowfootgrass	2.5	2.5	4		Ryegrass, Italian		2.5	3.5	
Cutleaf eveningprimrose	2.5	4			Sandbur, field			2.5	
Devil's-claw (unicorn plant)	2.5	3			Sandbur, Southern		2.5	2.5	
Dwarf dandelion				2.5	Shattercane			2.5	2.5
Eastern manna grass			2.5		Shepherdspurse			2.5	
Eclipta	2.5	2.5	3.5		Sicklepod	2.5	3.5		
Fall panicum	2.5	2.5	3.5	3.5	Signalgrass, broadleaf	2.5	2.5	3.5	
Falsedandelion				2.5	Smartweed (ladythumb)		2.5	3.5	
Falseflax, smallseed			2.5		Smartweed, Pennsylvania		2.5	3.5	
Fiddleneck		2.5	3.5		Sowthistle, annual		2.5	3.5	
Filaree		2.5	3.5		Spanishneedles		2.5	3.5	
Fleabane, annual				2.5	Speedwell, purslane			2.5	
Fleabane, hairy		2.5	3.5		Sprangletop			2.5	2.5
Fleabane, rough		2.5	2.5		Spurge, prostrate		2.5	2.5	
Florida beggarweed <sup>1</sup>		2.5	2.5		Spurge, spotted		2.5	2.5	
Florida pusley	2.5	3.5			Spurry, umbrella		2.5		
Foxtails			2.5	2.5	Stinkgrass			2.5	
Goatgrass, jointed			2.5		Sunflower, common				2.5
Goosefoot, neetleleaf		3.5			Thistle, Russian	2.5	3.5		
Goosegrass	2.5	2.5	3.5		Velvetleaf		2.5	3.5	
Grain sorghum (milo)			2.5	2.5	Virginia copperleaf	2.5	3.5		
Groundcherry		3.5			Virginia pepperweed				2.5
Groundsel, common		2.5			Waterhemp		2.5	3.5	
Hemp sesbania	2.5		3.5		Wheat			2.5	2.5
Henbit		2.5	4		Wild-proso millet		2.5	3	3.5
Hophornbeam copperleaf	2.5	4			Witchgrass			2.5	
Horseweed/marestail		2.5	2.5	3.5	Woolly cupgrass		2.5	2.5	
Itchgrass		2.5	2.5	3.5	Yellow rocket			2.5	2.5

<sup>1</sup>Partial control    <sup>2</sup>Control will be reduced at the button stage.    <sup>3</sup>Will not control glyphosate-tolerant volunteer corn.    <sup>4</sup>Multiple applications may be required. Sequence applied after weed emergence will not control glyphosate-resistant biotypes.

For more information, visit [www.farmassist.com](http://www.farmassist.com) or call Syngenta Customer Center at 1-866-SYNGENT(A) (796-4368).

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