



LAUDIS

APPLICATION TIMING

Laudis can be applied postemergence up to the V8 growth stage for field corn or popcorn, or up to the V7 growth stage for sweet corn.

LOW USE RATES

Laudis is used at ounces per acre vs. pints or quarts required with other herbicides. An application of Laudis at 3 fl oz/A in combination with atrazine at 0.5 lb AI/A increases the speed of control, weed spectrum and control consistency. Do not use atrazine if corn is greater than 12 inches tall. Atrazine rates of up to 1.5 lb AI/A are recommended.

TANKMIX PARTNERS

Applied alone, Laudis herbicide at 3 fl oz/A can effectively control annual grass and broadleaf weeds. Laudis can also be used with tankmix partners to enhance their residual power. See below to learn more about the most common tankmixes:

Ignite on LibertyLink hybrids

Laudis in a tankmix with Ignite enhances the control of large, stressed or otherwise difficult-to-control weeds

and also provides in-season, residual weed control. This product combination is the ultimate weed resistance management tool. Applications can be made up to V8 corn.

Glyphosate on glyphosate-tolerant corn hybrids

Studies show that adding Laudis to every tank of glyphosate applied to Roundup Ready corn provides extended control on both broadleaves and grasses — including those with proven glyphosate resistance. A tankmix of Laudis and glyphosate improves control of waterhemp, pigweed, lambsquarters, velvetleaf, ragweed, amaranths and large, stressed or otherwise difficult-to-control weeds.

THREE FOLLOWED BY THREE SEQUENTIAL PROGRAM

Laudis is the perfect tool in a sequential herbicide program. To enhance the efficacy of your resistance management program, start with atrazine plus Balance Flexx at 3 fl oz/A, followed by atrazine, 22 fl oz/A of Ignite or glyphosate plus 3 fl oz/A of Laudis for optimum, season-long weed control.

THE POWER TO BE TOUGH ON WEEDS. THE SAFETY TO TREAT CORN TENDERLY.

POWER

- Laudis® herbicide provides powerful postemergence control of more than 65 grass and broadleaf weeds, including those resistant to glyphosate-, PPO-, ALS- and dicamba-based herbicides.
- Laudis is active in the soil, offering residual control of broadleaf weeds, including ragweed, velvetleaf, pigweed, lambsquarters and waterhemp, as well as grasses, including woolly cupgrass, foxtail, shattercane and crabgrass.
- Laudis offers excellent grass control compared to Callisto®, Steadfast® or Impact®.

SAFETY

- The crop safety feature in Laudis delivers outstanding weed control in harmony with corn. Laudis offers unsurpassed crop safety in use on field corn, seed corn, sweet corn, white corn, popcorn and corn grown for silage.
- Crop tolerance to Laudis surpasses that of other herbicides within the same chemical family, as well as other traditional herbicides, including SU chemistries.
- Laudis is an excellent tankmix partner with Ignite® herbicide on LibertyLink® hybrids or with glyphosate on Roundup Ready® corn.
- Laudis is easy to use. At just 3 fl oz/A, using Laudis means growers have less shipping and storage, and fewer jugs.

ADJUVANT REQUIREMENTS			
	Combination herbicide	Surfactant	Fertilizer additive
Laudis	None	1% v/v or min 1.25 pt/A	AMS ¹
	Atrazine		
	Option®/Accent®/Steadfast®/Stout™	MSO or HSOC ³	or
	Glyphosate	Glyphosate-compatible HSOC ³	UAN ²
	Ignite	---	AMS ¹
Buctril®	MSO, HSOC ³ or COC		

¹Use AMS at 8.5 lb/100 gal, or a minimum of 1.5 lb/A.

²Use UAN at 1.5 qt/A.

³The addition of a glyphosate-compatible surfactant is recommended to optimize weed control, and is required with tank mixtures of unloaded glyphosate formulations or when using less than full rates of loaded glyphosate formulations.

BAYER CROPSCIENCE COMMITMENT

Today and tomorrow, Bayer CropScience focuses on grower needs and innovation to deliver the most complete and effective corn and crop protection portfolio.

laudisherbicide.com



IMPORTANT: This bulletin is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.

Bayer CropScience LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer, the Bayer Cross, Balance, Buctril, Ignite, Laudis, LibertyLink and Option are registered trademarks of Bayer. Balance Flexx and atrazine are Restricted Use Pesticides. Balance Flexx, Ignite, Laudis and Option are not registered in all states. Impact is a trademark of AMVAC Chemical Corporation. Status is a trademark of BASF. Accent, Steadfast and Stout are trademarks of E.I. du Pont de Nemours and Company. Roundup Ready is a trademark of Monsanto Company. Callisto is a trademark of Syngenta Crop Protection. For additional product information call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.BayerCropScience.us. BCSRICPOV01310LAUPB



Untreated vs. treated check of 3 fl oz/A Laudis + 1 pt AI/A atrazine + 1 percent MSO + 1.5 lb/A AMS on a corn field near Weston, Neb.



Results of a pre-emergence application of Balance® Flexx herbicide at 3 fl oz/A followed by a post application of Laudis at 3 fl oz/A with MSO, AMS and atrazine.





MODE OF ACTION

Laudis works by inhibiting the 4-hydroxyphenylpyruvate dioxygenase (HPPD) enzyme in plants. HPPD is key to the production of protective pigments in plant tissue. By preventing pigment production, the chlorophyll in plants is destroyed by the sun's ultraviolet rays.

The HPPD mode of action is commonly referred to as a bleacher. It works quickly, causing treated weeds to develop white or chlorotic (yellow) tissue. In a short period of time, the bleached tissue dies, with complete control of the weed occurring within days.

RAINFAST WITHIN ONE HOUR OF APPLICATION

Laudis penetrates target weeds and moves quickly to the site of control. Laudis takes out tough weeds faster than leading competitors and is less likely to be washed off by sudden rain showers. These are important considerations as growers manage more acres of corn and soybeans.

EXCELLENT RESISTANCE MANAGEMENT TOOL

Laudis complements any weed resistance management program, offering residual control properties that enhance the efficacy of other corn herbicides. Corn growers can look to Laudis to control glyphosate-, PPO-, ALS- and dicamba-resistant broadleaf weeds, including ragweed, pigweed, lambsquarters and waterhemp. Plus, it takes out resistant grasses, such as woolly cupgrass, foxtail and crabgrass.

FLEXIBLE CROP ROTATION

Laudis is compatible with many cropping systems. Its outstanding weed control power combined with its crop safety enables growers to readily rotate from corn to other key crops with little or no delay. Growers who use Laudis can plant cereal grains, grass grown for seed and Timothy (except sorghum) after a 4-month rotational interval and soybeans after an 8-month interval. In addition, sorghum, canola, potatoes and sugarbeets can be planted after a 10-month interval. Dry beans and all other crops can be planted 18 months following an application of Laudis. See the chart below for additional information on crop rotation timing.

GRASS WEEDS CONTROLLED	BROADLEAF WEEDS CONTROLLED	
Barnyardgrass	Amaranth, Palmer	Nightshade, black
Crabgrass, large	Amaranth, Powell	Nightshade, Eastern
Crabgrass, smooth ¹	Amaranth, spiny	Nightshade, hairy
Cupgrass, woolly	Amaranth, tumbleweed	Pigweed, redroot
Foxtail, giant	Buckwheat, wild ²	Pigweed, smooth
Foxtail, green ¹	Buffalobur	Pokeweed, common ¹
Foxtail, yellow	Burcucumber ¹	Purslane, common ²
Goosegrass	Carpetweed	Pusley, Florida ³
Johnsongrass, seedling	Chickweed, common	Ragweed, common
Junglerice	Cocklebur, common	Ragweed, giant
Millet, wild proso	Dandelion ¹	Sesbania, hemp
Panicum, Texas	Deadnettle, purple	Shepherdspurse
Sandbur, field ¹	Dock, curly ¹	Sicklepod ²
Shattercane	Galinsoga	Sida, prickly ² (teaweed)
Signalgrass, broadleaf	Hemp	Smartweed, pale
	Henbit	Smartweed, Pennsylvania
	Jimsonweed	Sunflower, common
	Knotweed, prostrate ¹	Thistle, Canada ²
	Kochia	Thistle, Russian
	Ladysthumb	Velvetleaf
	Lambsquarters, common	Volunteer potato
	Mallow, Venice	Volunteer RR soybeans
	Marestail/Horseweed ²	Volunteer soybeans
	Morningglory, cotton ²	Waterhemp, common
	Morningglory, ivyleaf ²	Waterhemp, tall
	Morningglory, pitted ²	
	Mustard, wild	

¹Partial control.
²Partially controlled with Laudis at 3 fl oz/A. Controlled with Laudis at 3 fl oz/A + atrazine min 0.5 lb AI/A.
³Apply before weed exceeds 2 inches in height.

Broadleaf Weeds Controlled	Laudis + atrazine	Callisto + atrazine
Amaranth, Palmer		
Lambsquarters, common		
Morningglory, spp.		
Pigweed, redroot, smooth		
Ragweed, common		
Ragweed, giant		
Velvetleaf		
Waterhemp, common, tall		
Grass Weeds Controlled		
Barnyardgrass		
Crabgrass, spp.		
Foxtail, giant		
Foxtail, green		
Foxtail, yellow		
Shattercane		

Partial list of weeds labeled for control by Laudis; see label for the complete list. Weed control ratings using products at labeled rates, adjuvant systems and postemergence application timings for corn.

% Control
95 to 100
90 - <95
80 - <90
70 - <80
<70
ND=No Data

Weed control evaluation scale

FLEXIBLE CROP ROTATION					
Immediate	4 months	8 months	10 months		18 months
Corn • Field • Seed • Sweet • Popcorn	Cereal Grains (except corn and sorghum) Sugarcane Grass Grown for Seed Timothy	Soybeans	Sorghum Peas Potatoes Snapbeans Sugarbeets ^{1,2}	Cotton Alfalfa Canola Tomatoes Dry Beans ^{1,4}	Dry Beans ³ Cucurbits Sunflowers All other crops

¹Cumulative precipitation between applications of Laudis and replanting to sugarbeets or dry beans must total 20 inches. Neither furrow nor flood irrigation can be included in the total. The amount of cumulative precipitation required before planting a rotational crop is in addition to the required rotational interval.
²Thorough tillage should follow the crop in which Laudis was applied and precede the rotation to sugarbeets.
³Includes red kidney beans, cranberry beans, non-commercial "garden" bean types and varieties.
⁴Includes types and varieties for commercial production except those listed under 18 months.

PRODUCT CHARACTERISTICS				
	Laudis	Impact	Callisto	Status®
Rainfast	1 hr	1 hr	1 hr	4 hrs
Grass Control	Control	Spp. dependent	Little	Suppression of few
Broadleaf Control	Excellent	Excellent	Excellent	Excellent
Soybean Rotation	8 mo	9 mo/18 mo*	10 mo	1 to 4 mo
Resistance Management	Excellent	Excellent	Excellent	Several resistant spp.
Relative Crop Safety	Excellent	Good	Good	Fair
Off-Target Movement/ Application Volatility	Limited	Limited	Limited	Potential
Pre-Harvest Interval	45 days	45 days	45 days	72 days

Excellent Good Fair

*Geographically and rate dependent.