

The herbicide that provides the staying power for extended weed control.

- **Broad-spectrum pre-emergent herbicide that controls the most troublesome grasses and broadleaf weeds**
- **Wide window of incorporation timing**
- **Safe for use on both new and established plantings**
- **No PHI**
- **Excellent residual protection**

Active Ingredient

Oryzalin

Trusted Performance

Surflan® A.S. is a water-based low VOC pre-emergent herbicide with excellent crop safety and residual control of grasses and broadleaf weeds. Surflan offers protection for up to 12-months depending on the application rate. Controlling more than 80 broadleaf weeds and grasses, Surflan is safe for use on more than 40 crops, and new plantings of trees and vines. Surflan can be easily tank mixed with a burndown herbicide and/or other herbicides for expanded weed control.

Resistance Management

Surflan is a WSSA Group 3 herbicide.

ANNUAL GRASS WEEDS CONTROLLED

Little Barley	Guineagrass
Barnyardgrass	Johnsongrass (seedling only)
Annual Bluegrass	Junglerice
Browntop Panicum	Mexican and Orcutt Lovegrass
Downy Brome	Wild Oat
Crabgrass - Smooth Crabgrass - Large Crabgrass	Annual Ryegrass
Crowfootgrass	Signalgrass
Fall Panicum	Field Sandbur
Foxtails - Bottlegrass - Bristlegrass - Giant Foxtail - Green Foxtail - Pigeongrass - Robust Foxtail - Yellow Foxtail	Red Sprangletop
	Texas Panicum - Buffalograss - Coloradograss
	Witchgrass

ANNUAL BROADLEAF WEEDS CONTROLLED

Carpetweed	Pigweeds - Carelessweed - Prostrate Pigweed - Redroot Pigweed - Rough Pigweed - Smooth Pigweed - Spiny Pigweed - Tumble Pigweed
Chickweed	
Cudweed	
Fiddleneck	Puncturevine
Florida Pusley - Florida Purslane - Mexican Clover - Pusley	Common Purslane
Henbit	Redmaids Rockpurslane
Prostrate Knotweed	Sheperdspurse

WEEDS SUPPRESSED

Redstem Filaree	Black Mustard	London Rocket
Whitestem Filaree	Wild Mustard	Annual Smartweed
Common Groundsel	Velvetleaf	Annual Sowthistle
Ladysthumb	Black Nightshade	Prostrate Spurge
Common Mallow	Prickly Sida	Spotted Spurge
Climbing Milkweed	Common Ragweed	
Annual Morningglory	Giant Ragweed	

CROPS

CITRUS FRUITS	POME AND STONE FRUITS	TREE NUTS	BERRIES	VINEYARDS
Citrus Citron	Apple	Almond	Blackberry	Grapes
Citrus Hybrids	Apricot	Chestnut	Blueberry	
Grapefruit	Cherry	Chinquapin	Boysenberry	
Kumquat	Crabapple	Filbert	Currant	
Lemon	Loquat	Hickory	Dewberry	
Lime	Mayhaw	Macadamia	Elderberry	
Mandarin	Nectarine	Pecan	Gooseberry	
Orange	Peach	Pistachio	Loganberry	
Pummelo	Pear	Walnut	Raspberry	
Tangerine	Plum			
	Prune			
	Quince			



Residual Control

Surflan offers exceptional residual control of annual grasses such as Barnyardgrass (Watergrass), Crabgrass, Johnsongrass and Italian Ryegrass and broadleaf weeds like Chickweed, Purslane, Filaree and Pigweed.

Application and Use Rates

Surflan may be incorporated into the soil mixture mechanically, or by irrigation, up to 30 days after application; and may also be applied via chemigation.

Apply 2.0 - 6.0 quarts/acre

Use higher labeled rate for prolonged period of residual control.

Refer to the product label for the maximum number of quarts per acre per season.

APPLICATION AMOUNT/ACRE

PERIOD OF RESIDUAL CONTROL

2 Quarts	2 to 4 months
4 Quarts	6 to 8 months
6 Quarts	Up to 12 months

SURFLAN vs. PROWL H₂O

	SURFLAN	PROWL H ₂ O
Weeds on label	80+	49+
Incorporation timing	30 days	30 days
Suggested rates	1 - 6 qts	1 - 4 qts
Photo degradation	slight	moderate
PHI	0	60-120 days

SURFLAN - OUTSTANDING CONTROL ON KEY WEEDS 4 MONTHS AFTER APPLICATION



2011. Chico, CA. 4 quarts of Surflan. Conducted by Helena Research and Development. Crop: Almonds.

Contact your local UPI sales representative or distributor, call 1-800-438-6071 or visit www.upi-usa.com.

Built for where crop protection is going.

