

HERBICIDE pH AND WATER QUALITY GUIDE

Trade Name	Active Constituent	pH	Water Quality
Actril® DS	2,4-D ethyl hexyl ester+ ioxynil	Avoid low pH water	Bicarbonates and alkalinity will affect the products performance
Amicide Advance™ 700	2,4-D amine 700	Check pH requirements for other products when used in a mixture	Can be impacted by hard water and bicarbonates
2,4-D amine 625	2,4-D amine	Recommended water pH 4-6	Can be impacted by hard water and bicarbonates
Amitrex® 800 WG	ametryn	Recommended water pH greater than 6	Good quality water with no clay particles
Asulox®	Asulam	Performance reduced when water used is less than 6 pH	Check water quality recommended for other herbicides when used in a mixture
Agtryne MA	Terbutryn + MCPA	Need to reduce water pH when it is alkaline	Need to avoid hard water
Atradex® WG	atrazine	Water pH 8 or lower	Hardness will need to be adjusted
Amigan® WG	Ametryn + terbutyrn	Recommended water pH greater than 6	Good quality water with no clay particles
Balance® 750WG	isoxaflutole	Check pH requirements for other products when used in a mixture	Check water quality recommended for other herbicides when used in a mixture
Dicamba 500	dicamba	Check pH requirements for other products when used in a mixture	Check water quality recommended for other herbicides when used in a mixture
Metolachlor 720EC	metolachlor	Check pH requirements for other products when used in a mixture	Check water quality recommended for other herbicides when used in a mixture
Dual Gold	s-metolachlor	Check pH requirements for other products when used in a mixture	Check water quality recommended for other herbicides when used in a mixture
Daconate	MSMA		Avoid using water containing dirt, algae, and high levels of dissolved solids
Trade Name	Active Constituent	pH	Water Quality
Diuron 900 DF	Diuron	Avoid saline water	Use good quality with little organic matter or clay

Flame® 240	imazapic		Avoid water with a high iron content
Fusilade® Forte	Fluazifop-p		Use clean water for spraying
Gesapax Combi® 500EC	Atrazine + ametryn		Avoid hard water. Do not use water containing clay particles
Roundup, Glyphosate	glyphosate	Low pH water for best results	Avoid hard water, and also muddy water
Gramoxone®, Sprayseed® Reglone	Paraquat & or diquat	pH greater than 8 may adversely affect results	Water should be clean, free of clay, silt and algae
Hero®	ethoxysulfuron,	Check pH requirements for other products when used in a mixture	
Krismat® WG	Ametryn + trifloxysulfuron	Check pH requirements for other products when used in a mixture	Needs clean water. Check water quality recommended for other herbicides when used in a mixture
Primextra Gold	s-metolachlor + atrazine		
MCPA	MCPA amine or sodium salt	May need to lower water pH	Avoid salty water and hard water
Sempra® herbicide	Halosulfuron-methyl		Do not use water high in iron or high in organic matter
Soccer® 700WG	metribuzin	Check pH requirements for other products when used in a mixture	Check water quality recommended for other herbicides when used in a mixture
Starane™ Advanced	fluroxypyr	Recommended pH range 6.5-8	Check water quality recommended for other herbicides when used in a mixture
Stomp® Xtra	pendimethalin	Recommended pH range 6-8	Check water quality recommended for other herbicides when used in a mixture
Tordon® 75D	2,4-D amine + picloran	Check pH requirements for other products when used in a mixture	Check water quality recommended for other herbicides when used in a mixture
Treflan™ 480	trifluralin	Check pH requirements for other products when used in a mixture	Generally not adversely affected by water hardness
Velpar® K4™ DF®	Hexazinone + diuron	Generally not affected by pH of water	Use clean water. Avoid salty water
Verdict™ 520	haloxyfop		Use clean water for spraying