



TIDE Canada



Tide Glyphosate 540 Herbicide

Tide Glyphosate 540 is a non-selective, systemic herbicide used to control annual and perennial grasses, broadleaf weeds, and woody brush species. It is widely used in pre-seeding, post-harvest, summerfallow, pre-harvest applications, and industrial vegetation management.

Why Choose Tide Glyphosate 540?

- **Highly effective for broad-spectrum control of annual and perennial weeds**
- **Systemic action for complete control from root to shoot**
- **Flexible application for pre-seed, post-harvest, and in-crop uses**
- **Compatible with multiple tank mix partners for enhanced control**
- **Minimal soil residual activity for rotational crop flexibility**

Key Product Details

- **Chemistry Group:** Group 9 Herbicide
- **Formulation:** Water Soluble Liquid (SL)
- **Active Ingredient:** Glyphosate (as potassium salt) – 540 g/L
- **Mode of Action:** EPSP Synthase Inhibitor – disrupts amino acid production, leading to plant death

Best Practices for Use

- **Apply to actively growing weeds** – stressed weeds will not absorb glyphosate effectively
- **Use clean water** – dirty water can bind glyphosate, reducing efficacy
- **Rain fast in 1 hour** – avoid application if rain is imminent
- **Use higher rates for tough perennials** like Canada thistle, quackgrass, bindweed
- **For improved results:** Use with non-ionic surfactants (Agral 90 at 1L/1000L spray mix)
- **Apply when temperatures are above 10°C** and humidity is high
- **Use flat fan nozzles for optimal coverage**
- **Delay tillage for 3-5 days after application** to allow glyphosate translocation

Crops of Usage

Tide Glyphosate 540 is registered for use in the following cropping systems:

- Pre-plant burndown for all crops
- Roundup Ready® Canola, Corn, and Soybeans
- Cereal crops (Wheat, Barley, Oats)
- Non-Glyphosate-Tolerant Corn (Pre-Plant Burndown Only)
- Peas, Lentils, Chickpeas, Flax
- Forage and Pasture Management
- Tree crops (Apples, Pears, Grapes, Nuts, Cherries, Blueberries, Strawberries)
- Non-crop land (Industrial sites, Roadsides, Rights-of-Way, Turfgrass renovation)

Tank Mix Partners

Tide Glyphosate 540 is compatible with:

- Broadleaf Herbicides: 2,4-D, Dicamba, Bromoxynil, MCPA
- Residual Herbicides: Pursuit®, Banvel II®, Express SG®
- Grassy Weed Control: Assure II®, TIDE Clethodim®, Select®, Centurion®
- Industrial Weed Control: Karmex®, Esplanade®, Oust XP®

⊘ Do NOT mix with fertilizers unless specified

Packaging

- 10L jugs (2 x 10L per case)
- 110L drums
- 500L IBC totes
- 1000L IBC totes

Application Guidelines

APPLICATION RATES & WATER VOLUME

APPLICATION	TARGET WEEDS	RATE (L/ACRE)	APPLICATION METHOD	WATER VOLUME (US GAL/ACRE)	TIMING
Pre-Seed to Crops <i>(All Crops, Including Corn)</i>	Annual Grasses & Broadleaves	0.5 - 1.27	Ground & Aerial	5 - 12 (Aerial), 12 - 24 (Ground)	Apply to actively growing weeds before planting
Post-Harvest Stubble Treatment	Perennial Weeds	1.67 - 4.67	Ground	12 - 24	Apply when weeds are actively growing
Summerfallow Weed Control	Annual and Perennial Weeds	0.83 - 1.27	Ground	12 - 24	Apply to emerged weeds before seeding next crop
Roundup Ready Canola	Volunteer Cereals, Wild Oats, Broadleaf Weeds	0.67 - 1.33	Ground	12 - 24	Apply from 0-6 leaf stage of crop
Roundup Ready Soybeans	Annual & Perennial Weeds	0.67 - 1.33	Ground	12 - 24	Apply from first trifoliolate to flowering
Roundup Ready Corn	Annual & Perennial Weeds	0.67 - 1.33	Ground	12 - 24	Apply from V1 to V8 stage (1-8 leaf stage of crop)
Non-Glyphosate-Tolerant Corn <i>(Burndown Pre-Plant Only)</i>	Annual & Perennial Weeds	0.34 - 0.67	Ground	12 - 24	Apply before emergence of non-RR corn
Pre-Harvest in Wheat, Barley, Oats, Canola, Pulses, Corn	Perennial Grasses, Broadleaf Weeds	0.6	Ground & Aerial	12 - 24 (Ground), 5 - 12 (Aerial)	Apply when grain moisture is <30%
Pasture Renovation	Forage grasses & legumes	0.6 - 3.24	Ground	12 - 24	Apply before reseeding pastures
Non-Crop Land <i>(Rights-of-Way, Industrial, Turfgrass Renovation)</i>	Annual & Perennial Weeds, Woody Brush	0.6 - 3.24	Ground	12 - 24	Apply when weeds are actively growing

Safety & Environmental Considerations

⚠ Do NOT apply by air except in pre-harvest applications.

Use protective gear: Gloves, coveralls, respirator, goggles

Observe Buffer Zones:

- 1 metre for field sprayers
- Protect aquatic areas from spray drift

Observe Pre-Harvest Intervals (PHI):

- Cereals, Pulses: 7-14 days
- Soybeans, Canola: 14-21 days
- Corn: 14 days before harvest
- Tree Fruits, Grapes: 14 days

Caution: Application to non-tolerant crops will result in severe injury or death.

Resistance Management

- Rotate herbicide groups to prevent resistance development
- Use tank mixes with different modes of action
- Monitor weed populations for signs of resistance

Use of this product must comply with the label requirements. Always check and follow the most up-to-date label before application.



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