

**TOUCHDOWN® Forte 500 SL with Hi-tech technology** is a systemic post-emergence non-selective herbicide for control of virtually all annual and perennial weeds.

### Active ingredient content:

Glyphosate 500g/lit

### Mode of Action

- **Touchdown® Forte** is absorbed by the leaves and green stems of the plant.
- The advanced wetter "Hitech" technology ensures good contact and rapid intake.
- Once in the leaf it is translocated to the growing points in the roots, rhizomes and shoots.
- Herbicidal action arises from the inhibition of an enzyme involved in photosynthesis followed by inhibition of protein formation leading to burn down of the weed.
- Weed growth stops within 1 hr of application with visual symptoms appearing after 2 days onwards.

### Spectrum of Activity

**Touchdown® Forte** is active against: annual and perennial grasses and broad leaf weeds, some woody bushes and tree weeds.

<b>Annual grass weeds</b> 0.5 - 2.0 lt/ha (40 - 225 ml/15lt knapsack)		Goose foot	<i>Chenopodium spp.</i>
Black grass	<i>Alopecurus myosuroides</i>	Purslane	<i>Portulaca oleracea</i>
Wild oats	<i>Avena fatua</i>	Gallant soldier	<i>Galinsoga parviflora</i>
Brome	<i>Bromus sp.</i>	Chinese lantern	<i>Nicandra physalodes</i>
Green foxtail	<i>Setaria viridis</i>	<b>Perennial grass weeds</b> 0.75 - 3.0 lt/ha (55 - 225ml/15lt knapsack)	
Barnyard grass	<i>Echinochloa sp.</i>	Bermuda grass	<i>Cynodon dactylon</i>
Velvet grass	<i>Holcus sp.</i>	Crab grass	<i>Digitaria sp.</i>
Annual meadow grass	<i>Poa annua</i>	Old lands grass	<i>Eragrostis sp.</i>
<b>Broad leaved weeds</b> 0.5 - 2.0 lt/ha (40 - 225ml/15lt knapsack)		Siberian millet	<i>Panicum sp.</i>
Black jack	<i>Bidens pilosa</i>	Johnson grass	<i>Sorghum halepense</i>
Wandering jew	<i>Commelina benghalensis</i>	Kikuyu grass	<i>Pennisetum clandestinum</i>
Thorn apple	<i>Datura sp.</i>	Yellow nutsedge	<i>Cyperus sp.</i>
Mayweeds	<i>Matricaria sp.</i>	Couch grass	<i>Agropyron repens</i>
Mexican clover	<i>Richardia sp.</i>	Thatch grass	<i>Hyparrhenia sp.</i>
Yellow daisy	<i>Chrysanthemum segetum</i>		
Chickenweed	<i>Stellaria media</i>		

### Recommendations for Use

<b>Target Crops</b>	Cereals, Coffee, Tea, Bananas, Sugarcane, Sisal, Citrus
<b>Other uses</b>	Pre-plant no-till, minimum till, stubbles and pre-harvest weed control, fallows and set-aside land, non-cropped areas, post harvest clean-up, around field margins, irrigation canals, railways, industrial areas, forests

**Note: observe a harvest interval of 7 days before picking tea.**

### Directions for use:

For optimum level of weed control use when:

- Weeds are fully emerged and actively growing but not flowering (Approx. 15 - 30 cm high).
- For perennials spray generally at flowering or at seed head stage.
- Avoid spraying in conditions of drought, stress or water logging.
- Temperatures are between 18 - 30°C.
- 1-3 Hrs rain or irrigation free period after application ensures maximum herbicidal activity. To avoid contamination of non-target crops or plants, don't spray in windy conditions.
- Extremely cold or cloudy weather slows herbicidal activities.
- Allow 5 days before subsequent cultivation.
- DO NOT allow spray or spray drift to contact green bark or stems, canes, laterals, pruned surfaces or fruit suckers. Drift control agents may be used.
- Apply on fields intended to be maintained as clean fallow or when practising non-tillage. Higher rates are better suited for better coverage of older weeds.

**Shake the container before opening and adding product to the spray tank.**

### Application Equipment

All application equipment has to be properly calibrated before use, with regard to forward speed, flow rate and evenness of distribution.

**Knapsacks:** Use flat fan nozzle at 30-45 psi for overall spraying. Use floodjet nozzles at 15 psi for directed selective inter-row application. Use low pressure to reduce drift.

**Tractor mounted spray:** Touchdown Forte can be applied using tractor mounted boom sprayers.

### Compatibility:

Highly compatible - can be tank mixed with Primagram® Gold as well as with residual herbicides used to control annual and perennial weeds. Conduct compatibility test on a small scale.

### Benefits

- **Rainfastness** - excellent ai retention, wetting and optimal spreading compared to ordinary glyphosate.
- **High efficacy** - improved dual adjuvant allows faster absorption and faster weed control.
- **Systemicity** - passive and penetrative properties of dual adjuvant ensures effective movement to growing points.
- **Re-entry** - absorbed to the soil and easily bio-degradable allowing subsequent cultivation.
- **Flexibility** - it may be used prior to planting all crops, in established planting crops such as coffee, tea, sisal, sugarcane, forestry, and industrial weed control.