Application tips to maximising the performance of SPRAY.SEED in horticulture

SPRAY.SEED® users should aim for an even and complete coverage of the target weed.

Application of SPRAY.SEED to small actively growing weeds in 200L/ha of water at the correct droplet spectrum is far better than using 800L/ha on large weeds where half the volume runs off and the other droplets that hit the target are too large to provide good coverage.

Application recommendations:

- Use a maximum of 400L/ha water. More than this is just likely to cause both water and SPRAY.SEED to run-off the plant. Typically water volumes in the range of 100 to 400L/ha of water is sufficient for small weeds.
- Aim for an even and complete coverage with good penetration of the spray into and onto the target foliage.
- Aim to spray small weeds. Large weeds require higher water volumes and chemical rates.
- If weeds are large it is better to apply a split application (including consecutive applications of 150 to 200L/ha of water) rather than a single application of 400L/ha of water.
- Water rates/volume (refer to Table 1).
- Where the SPRAY.SEED concentration is less than 1.2L in 100L of spray solution it is recommended to add AGRAL® at 200mL/100L of additional water. (refer Figure 1).
- For improved control of wire weed, capeweed, marshmallow and nettles, a Group G spike of Goal* (at 250mL/ha) or Hammer* is a good option.
- Do not spray in dusty conditions, on dusty weeds or use dirty water as activity will be severely reduced.
- If weeds are small due to moisture stress they may in fact be suffering from small tops and large roots. This gives a false impression of weed size and lower than ideal rates are chosen only to find a poor kill. What may seem small may in fact be more advanced than meets the eye.
- Increased rates, application under low light conditions, adding extra surfactant, ensuring good coverage by correct water rates and droplet spectrum and considering addition of Group G spikes may all assist to control weed with large root systems and small foliage under these conditions.
- Preferably do not apply SPRAY.SEED under high temperature/low humidity conditions (i.e. Delta T >10°C (refer Figure 2).



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Table 1: Water volumes for SPRAY.SEED - horticulture

Weeds	Boomspray volume / ha
Small plants 2 to 5 leaf (up to 2 cm high) - well separated	50 to 100L
5 leaf to early tillering / rosette (2 to 5cm high) 30 – 50% ground cover	100 to 150L
Advanced growth (6 to 10cm high) - dense stand	150 to 200L
10cm to 15cm - very dense and tall	200 to 300L or use split applications of 100 to 150L
15cm to mature - very dense and tall	300 to 400L or use split applications of 150 to 200L

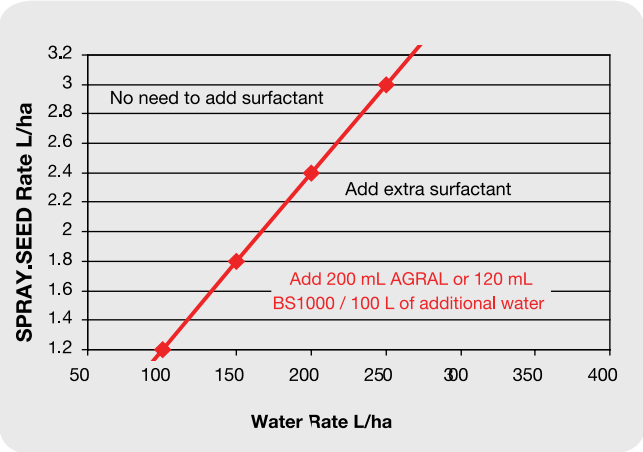


Figure 1: Surfactant selection guide

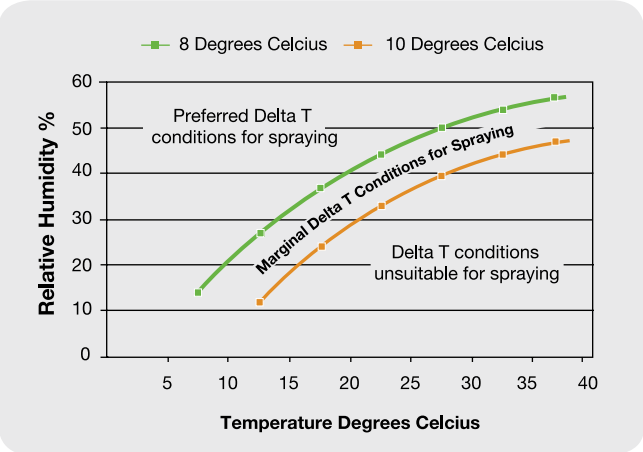


Figure 2: Delta T guide

Spray.Seed®

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