Technote

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 runoff 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).



Spray.Seed®

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Table 1: Water volumes for SPRAY.SEED - horticulture and viticulture

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

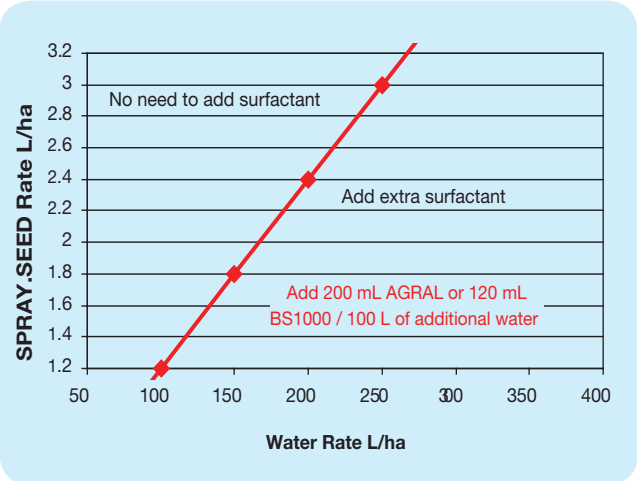


Figure 1: Surfactant selection guide

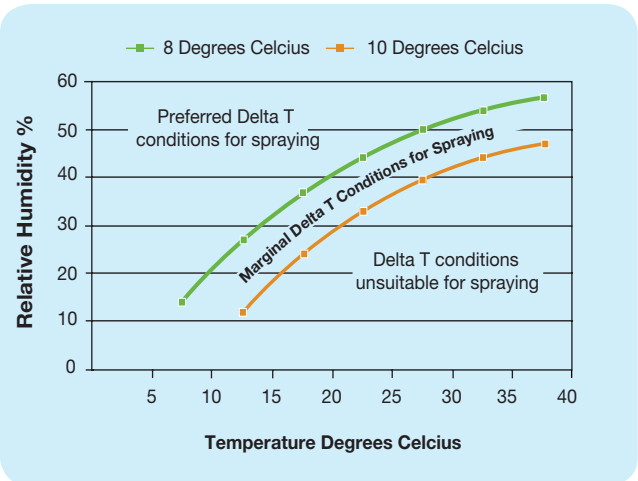


Figure 2: Delta T guide