

# Application guidelines for vegetable crops



 **ProductPlus**

syngenta.

# Herbicides:

Timing	Water Volume L/ha	Suggested nozzle	Reduced Drift Option	Notes
Pre-emergence, good seed bed	100-200	Syngenta Pre-em nozzle spraying forwards and backwards	Syngenta AI nozzle	The Syngenta AI nozzle produces 40 drops/cm <sup>2</sup>
Pre-emergence, cloddy seed bed	100-200	Syngenta Pre-em nozzle spraying forwards and backwards	Syngenta AI nozzle	Cloddy seed beds reduce weed control. Even coverage of clods both sides can be achieved with angled nozzles.
Post-emergence, soil applied	200-400	Syngenta Veg 65-04 or 65-06 or 65-08	Syngenta AI nozzle	Narrow angle fan is best for reducing spray retained on crop leaves, maximising spray reaching the soil.
Grass Selective Herbicide	100-200	Syngenta Pre-em nozzle spraying forwards and backwards	Syngenta AI nozzle	Angled sprays typically double the spray retained on the leaves of grass weeds.
Broadleaf Herbicide	100-200	Syngenta Pre-em nozzle spraying forwards and backwards	Syngenta AI nozzle	



# Application guidelines for vegetable crops 2013

Crop	Growth Stage	Water Volume L/ha	Suggested nozzle	Reduced Drift Option	Notes
Asparagus	Fern application	250-350	Twin cap Syngenta veg nozzle and standard flat fan alternating or a dropleg sprayer with standard flat fans	Syngenta AI 110025	Keep water volume below 350 L/ha to avoid run-off
Cabbage	Small open	100-200	Syngenta AI 110025	Syngenta AI 110025	Run-off is the enemy of small plants
	Hearted	300-800	65-06 or 08 Syngenta Vegetable nozzle	Syngenta AI 110025	Angled spray important to get spray under top leaves. Use twin cap option for volumes greater than 300 L/ha
Carrots	Small	100-200	Syngenta Pre-em nozzle or the Syngenta Potato nozzle spraying forwards and backwards	Syngenta AI 110025	Carrots are good at catching spray. Angling nozzles e.g. Twin Cap will give best results
	Large	200-400	Syngenta Veg 65-06 or 65-08 and backwards	Syngenta Veg 65-06 or 65-08 and backwards	65° fan the best for penetrating to crown. Apply volume of 200 L/ha, increasing to 400 L/ha in denser crops. Avoid bubble jet and hollow cone nozzles for later application timings
Cauliflower	Small pre-curd	200-300	05 Syngenta potato nozzle	Syngenta AI 110025	Run-off is the enemy of small plants
	Developing curds	200-300	05 Syngenta potato nozzle 06 Syngenta vegetable nozzle	Syngenta Veg 65-06 or 65-08 and backwards	If leaves are the target use the potato nozzle if curds are the target use the Syngenta veg nozzle
Brussels Sprouts	Small open	100-200	Syngenta AI 110025	Syngenta AI 110025	Run-off is the enemy of small plants. Angled spray is important to get the spray under the top leaves
	Large	300-500	05 Syngenta Potato nozzle Spraying forwards and backwards (droplegs ok, early tests look good, more work required)	Twin cap conventional nozzle in front, air induction in rear	
Leeks	Small	100	Syngenta Pre-em nozzle, 03, 035 and 04 cover both sides of the plant	Twin cap conventional nozzle in front, air induction in rear	Coverage, run-off and missing the target are the problems likely in Leeks. Angled spray forward and backwards is important High Volumes = Run-off
	Large	200-300	Syngenta Potato 04 or 05	Twin cap conventional nozzle in front, air induction in rear	Angled spray forward and backward High Volumes = Run-off

# Application guidelines for vegetable crops 2013 cont.

Crop	Growth Stage	Water Volume L/ha	Suggested nozzle	Reduced Drift Option	Notes
Lettuce	Small open	100-200	Syngenta AI 110025	Syngenta AI 110025	Run-off is the enemy of small plants
	Hearted	300-800	Syngenta Veg 65-06 or 65-08	05 Syngenta Potato nozzle 06 Syngenta Vegetable nozzle	
Onions	Small	100	Syngenta Pre-em nozzle, 03, 035 and 04 cover both sides of the plant	Syngenta Pre-em nozzle, 03, 035 and 04 cover both sides of the plant	Coverage, run-off and missing the target are the problems likely in onions. Angled spray forward and backwards is important High volumes = run-off
	Large	200	Syngenta Potato 04 or 05	Syngenta Potato 05	Angled spray forward and backward
Potatoes	Prior to row Closure	100	Syngenta Pre-em 03 nozzle	Syngenta AI 110025	Angled spray forward and backward
	After row closure	200	04 or 05 Syngenta Potato nozzle or Syngenta 05 Pre-em nozzle	Syngenta AI 11004 or 11005	Angled spray forward and backward
	Desiccation	200	04 or 05 Syngenta Potato nozzle or Syngenta 05 Pre-em nozzle	Syngenta AI 11004 or 11005	The desiccation of very large canopies may require up to 400 L/ha of water on the 1st of the split applications of REGLONE. Refer to the REGLONE Desiccation technote
Peas and Beans	Small	100	Syngenta Potato nozzle • 04 for 7–9 km/hr • 05 for 10–12 km/hr	Syngenta AI nozzle, select correct size for forward speed of the sprayer	MEDIUM spray quality, use higher water volumes in dense crops. All nozzles 0.4–0.5 metres above top of crop
	Large	200			
Zucchini	Small plants pre-fruit	200	Standard flat fan	Syngenta AI 110025	Run-off is the enemy of small plants
	Large fruiting plants	200-300	Standard flat fan nozzles or droplegs with standard nozzles		

**For further information please call the Syngenta Technical Product Advice Line on 1800 067 108 or visit our website at [www.syngenta.com.au](http://www.syngenta.com.au)**

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