



Application guidelines for vegetable crops – 2012

Nozzles



Syngenta potato nozzle

DEFY nozzle

HAWK nozzle

AMISTAR nozzle

06 Vegetable nozzle

08 Vegetable nozzle

Herbicides

Timing	Water volume l/ha	Best nozzle	Reduced drift option	Notes
Pre-emergence good seed bed	100–200	DEFY nozzle spraying forwards and backwards	AMISTAR nozzle	An AMISTAR nozzle produces 40 drops/cm ²
Pre-emergence cloddy seed bed	100–200	DEFY nozzle spraying forwards and backwards	AMISTAR nozzle	Cloddy seed beds reduce weed control. Even coverage of clods both sides achieved with angled nozzles
Post-emergence soil applied	200–400	65-06 or 08 Syngenta vegetable nozzle	AMISTAR nozzle	Narrow angle fan best for reducing spray retained on crop leaves
Graminicide	100–200	DEFY nozzle spraying forwards and backwards	AMISTAR nozzle	Angled sprays typically double the spray retained on grass weeds
Broad leaved weeds	100–200	DEFY nozzle spraying forwards and backwards	AMISTAR nozzle	

Fungicides & Insecticides

Crop	Growth stage	Water volume l/ha	Best nozzle	Reduced drift option	Notes
 Cabbage	Small open	100–200	AMISTAR nozzle	AMISTAR nozzle	Run-off is the enemy of small plants
	Hearted	300–800	65-06 or 08 Syngenta vegetable nozzle	AMISTAR nozzle	
 Brussels Sprouts	Small open	100–200	AMISTAR nozzle	AMISTAR nozzle	Run-off is the enemy of small plants
	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	Angled spray important to get spray under top leaves. Use twin cap option for volumes greater than 300 l/ha
 Onions	Small	100	Angled spray forward and backwards, HAWK nozzle	Angled spray forwards and backwards, DEFY nozzle	Coverage, run-off and missing the target are the problems of onions. Angled spray important
	Large	200	Syngenta potato 04 or 05	Twin cap conventional nozzle in front, air induction in rear	Angle spray forwards and backwards
 Carrots	Small	100–200	DEFY or Potato nozzle	AMISTAR nozzle	Carrots are good at catching spray. Angling nozzles e.g. Twin Cap will give best results
	Large	300–400	65-06 or 08 Syngenta vegetable nozzle	65-06 or 08 Syngenta vegetable nozzle	65° fan the best for penetrating to crown
 Lettuce	Small open	100–200	AMISTAR nozzle	AMISTAR nozzle	Run-off is the enemy of small plants
	Hearted	300–800	65-06 or 08 Syngenta vegetable nozzle	65-06 or 08 Syngenta vegetable nozzle	
 Leeks	Small	100	Angled spray forward and backwards, HAWK nozzle	Twin cap conventional nozzle in front, air induction in rear	Coverage, run-off and missing the target are the problems of leeks. Angled spray important. High volumes = run-off
	Large	200–300	Syngenta potato 04 or 05	Twin cap conventional nozzle in front, air induction in rear	Angle spray forwards and backwards
 Cauliflower	Small pre-curd	200–300	05 Syngenta potato nozzle	AMISTAR nozzle	Run-off is the enemy of small plants
	Developing curds	200–300	05 Syngenta potato nozzle 06 Syngenta vegetable nozzle	65-06 or 08 Syngenta vegetable nozzle	If leaves are the target use the potato nozzle if curds are the target use the veg nozzle
Applications through fleece	N/A	300	06 Syngenta veg nozzle	06 Syngenta veg nozzle	
 Asparagus	Fern application	250–350	Twin Cap Syngenta veg nozzle and standard flat fan alternating or a dropleg sprayer with Standard Flat Fans	AMISTAR nozzle	Keep water volume below 350 l/ha to avoid run-off
 Courgettes	Small plants pre-fruit	200	Standard flat fan	AMISTAR nozzle	Run-off is the enemy of small plants
	Large fruiting plants	200–300	Standard flat fan nozzles or Droplegs with standard nozzles	AMISTAR nozzle	