



Introducing

emerg^{er}



Potato pre-em herbicide





emerger[®]

Protecting your potato crop from weeds

// How it works

// What it does

// Where it fits in potato herbicide programmes

// How it has performed



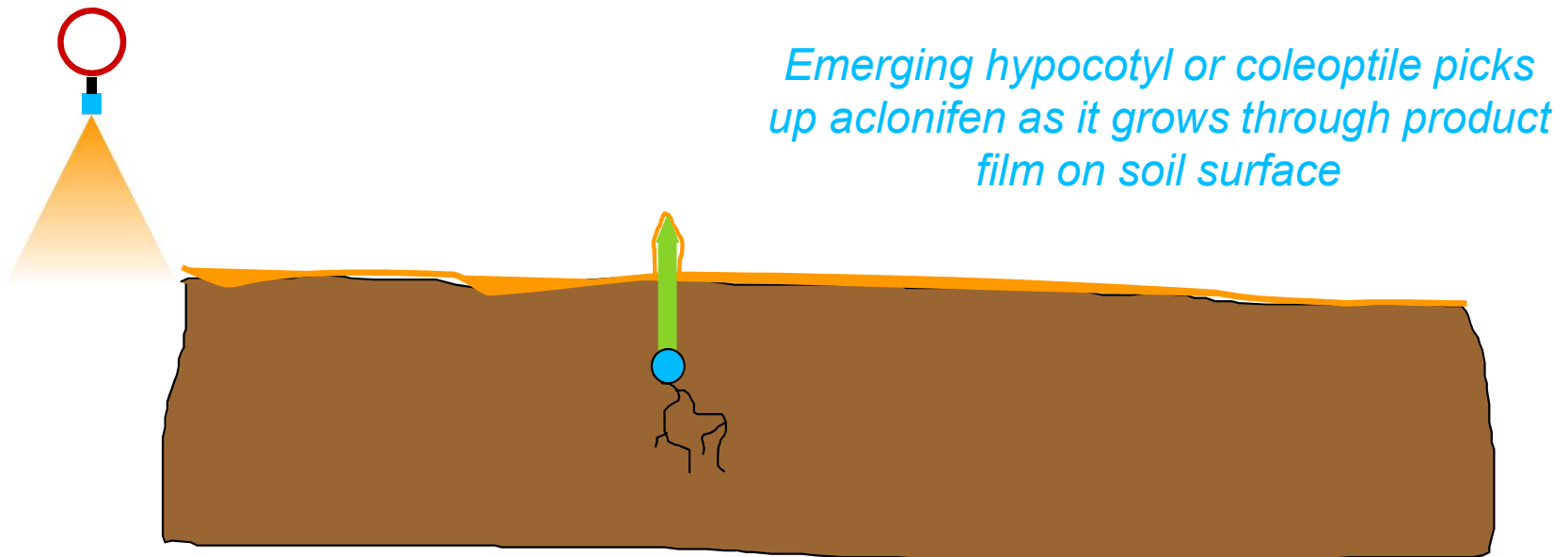


Application and uptake of Emerger

Shoots not roots

// For **optimal uptake** and **activity** aconifen should be applied uniformly to the ground surface to form a **homogenous film**

// A **friable** and **level seedbed** aids efficacy.





Emerger Weed Spectrum

European maritime zone aggregated trials across Spring cropping



Broad-leaved weeds – average control

>85%
<i>Amaranthus</i> (7)
Annual Mercury (6) #
Chickweed (3)
Common Field-speedwell (4)
False Mayweed (7)
Fat Hen (16)
Field Penny-cress (13)
Pale Persicaria (2)
Red Dead-nettle (9)
Scentless Mayweed (5)
Shepherd's Purse (12)
Volunteer Oilseed Rape (8) #
Wild Pansy (12)

85% > 70%
Black Bindweed (10)
Cleavers (10)
Common Hemp Nettle (3) #
Field Hemp Nettle (2)
Field Pansy (8)
Redshank (15) #
Small-flower Cranesbill (3) #

70% > 55%
<i>Datura</i> (3) #
Fumitory (4)
Knotgrass (4) #
Runch (4) #
Scented Mayweed (8) #

55% > 40%
Groundsel (6) #

40% > 0%
Black Nightshade (3)
Fool's Parsley (2) #

Grass weeds – average control

85% > 70%
Annual meadow-grass (4)
Barnyard Grass (11)
Loose Silky-bent (3)

55% > 40%
Black-grass (3)
Perennial Rye-grass (2) #

The majority of weeds are scored at the maximum dose rate for Emerger, 1.75 L/ha

A hash indicates the data contained for this weed is from a dose rate of 1.5 L/ha Emerger, due to reduced data being available at 1.75 L/ha. Increased control may be seen at 1.75 L/ha

The mean weed control is displayed, a range of responses are seen in individual trials.
() The number of trials is shown in brackets



Emerger is effective against a wide range of annual weeds

NIAB TAG Weed Screen, Hinxton 2019 – 66 DAA

Weed Species	Untreated	Praxim 2.5 L/ha	Emerger 1.75 L/ha	Artist 2 Kg/ha
Creeping Thistle 30 /m ²				
Cleavers 49 /m ²				
Fat Hen 11 /m ²				



Emerger is effective against a wide range of annual weeds

NIAB TAG Weed Screen, Hinxton 2019 – 66 DAA

Weed Species	Untreated	Praxim 2.5 L/ha	Emerger 1.75 L/ha	Artist 2 Kg/ha
Poppy 25 /m ²				
Redshank 24 /m ²				
Sow Thistle 34 /m ²				



Emerger gives consistent and effective pre-em weed control



NIAB TAG Weed Screen Results, Hinxton 2019

Trial conducted in dry field conditions!

		Average weeds (per m2)	Treatments												
			Stomp Aqua 2 l/ha	Defy 3 l/ha	Sencorex Flow 0.58 l/ha (350 gai/ha = Artist rate)	Gamit 0.15 l/ha	Praxim 2.5 l/ha	Artist 2 kg/ha	Emerger 1.75 l/ha	Emerger 1.75 l/ha + Gamit 0.15 l/ha	Emerger 1.75 l/ha + Defy 3 l/ha	Emerger 1.75 l/ha + Praxim 2.5 l/ha	Emerger 1.75 l/ha + Stomp 2 l/ha	Emerger 1.75 l/ha + Artist 2 kg/ha	
Weed Species	Spring Barley	16.33	0	0	100	0	100	100	100		100	100	100	100	100
	Cleavers	49.17	0	0	0	10	10	60	40		95	100	60	65	90
	Redshank	23.92	20	0	20	10	0	60	85		95	70	100	95	100
	Black-Bindweed	5.25	20	20	50	0	0	50	90		90	100	100	100	100
	Fat Hen	10.75	20	0	70	0	5	70	70		70	100	95	90	95
	Cranesbill	75.25	10	0	0	0	0	30	0		0	10	10	10	50
	Poppy	25.33	90	0	50	0	0	90	90		90	95	95	100	100
	Chickweed	118.92	90	50	60	95	95	80	100		100	100	100	100	100
	Creeping Thistle	30.42	10	0	70	0	5	80	80		90	90	90	90	98
	Sow Thistle	34.33	20	0	40	30	20	50	20		70	80	95	20	95
Charlock	11.58	20	0	30	10	20	70	70		90	80	90	70	90	

% Control

0	10	20	30	40	50	60	70	80	90	100
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Artist

extra activity vs straight metribuzin against weeds including



Black-grass



Italian ryegrass



Couch grass



Annual meadow grass



Black nightshade



Cleavers



Fools parsley



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*How has it performed
in 2019?*

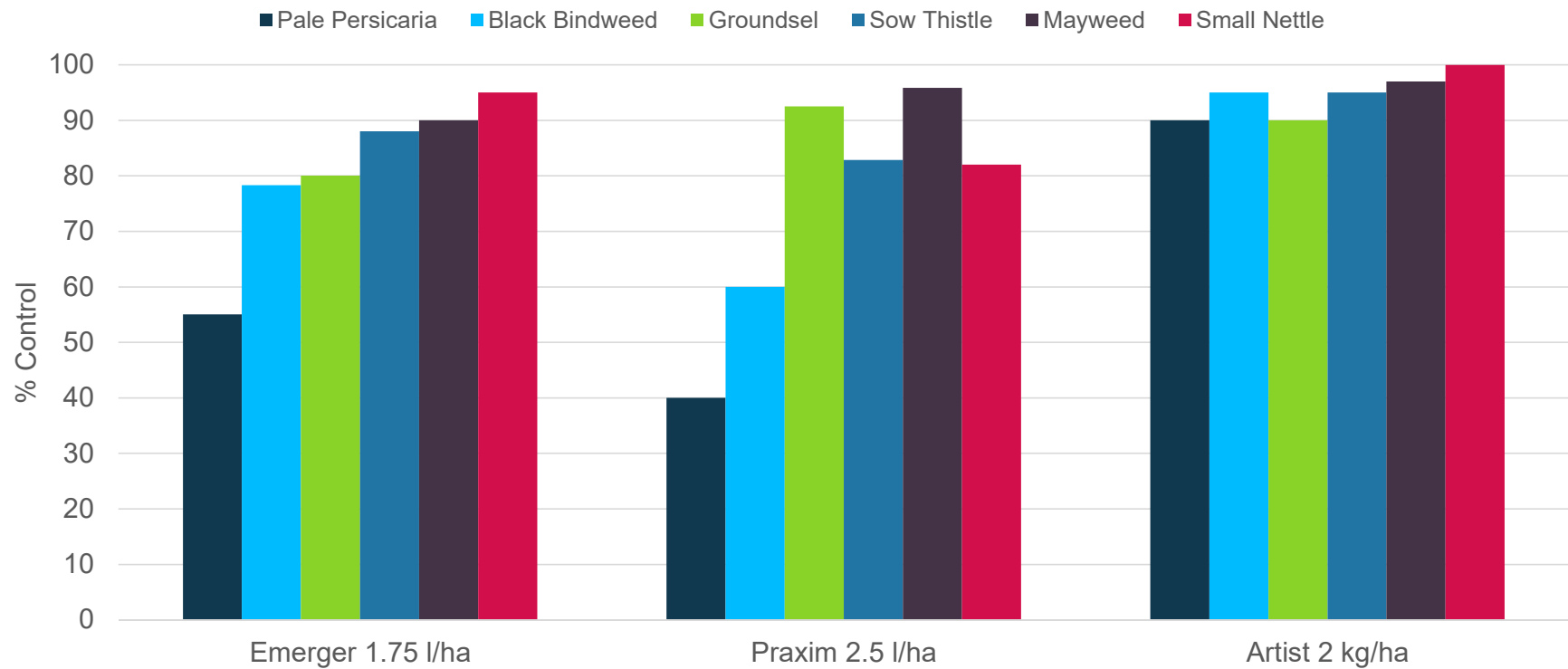




Emerger has a broad weed spectrum

Straight Product Comparison - % Efficacy by weed species

VCS, SA, RAA and Eurofins - 2019 trial results



Mean efficacy value per weed species from 1/2 trials. Main weed species: mayweed (4/m²), groundsel (20/m²), sow thistle (5/m²), pale persicaria (7/m²), black-bind weed (7/m²), small nettle (20/m²)



Straight Product Comparison: Emerger Pre-emergence

VCS 2019 Trial, Woodbridge Suffolk, Pictures taken 6th June- 34DAA



Untreated



Praxim
2.5 l/ha

Emerger
1.75 l/ha



Artist
2 kg/ha

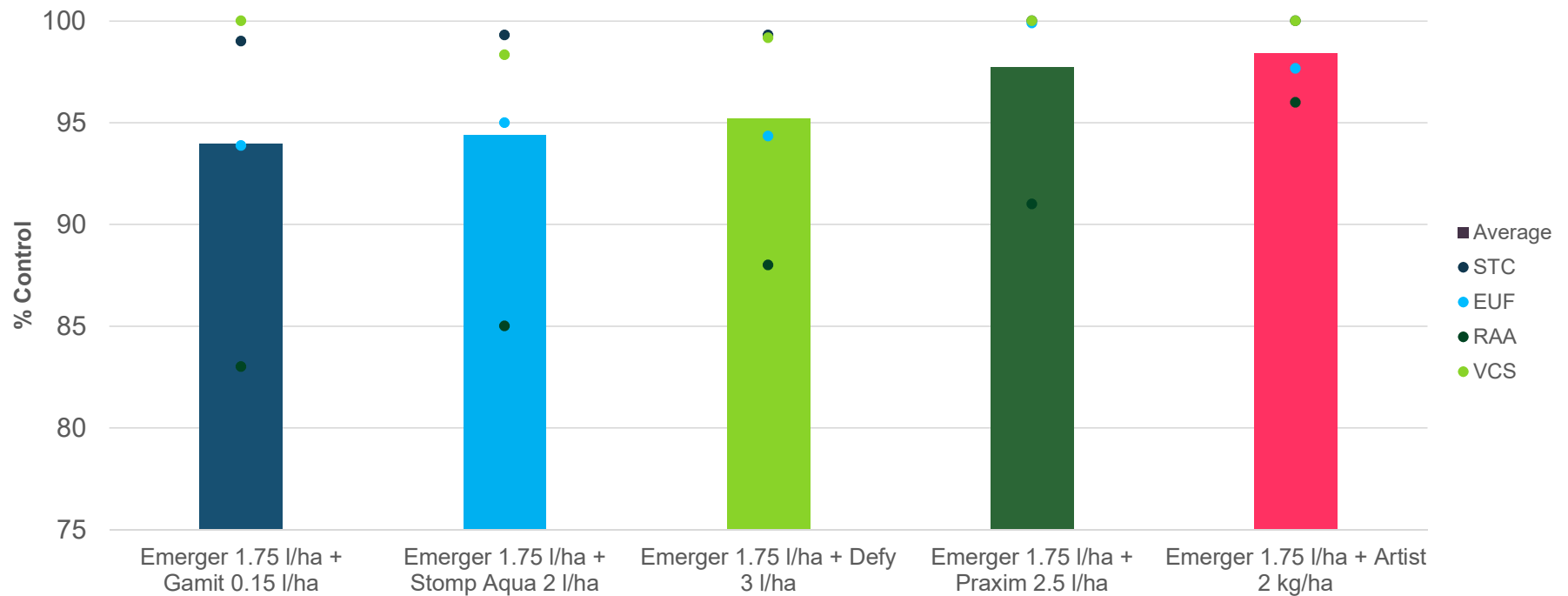


Emerger easily combines into a robust programme

Tank mix results – % overall efficacy



VCS, STC, RAA and Eurofins – 2019 trial results



Mean efficacy value per weed species from 1/2 trials. Main weed species: pale persicaria (7/m²), Black-bind weed (7/m²), groundsel (20/m²), sow thistle (5/m²), mayweed (4/m²), small nettle (20/m²), fat hen (19/m²), chickweed (5/m²)

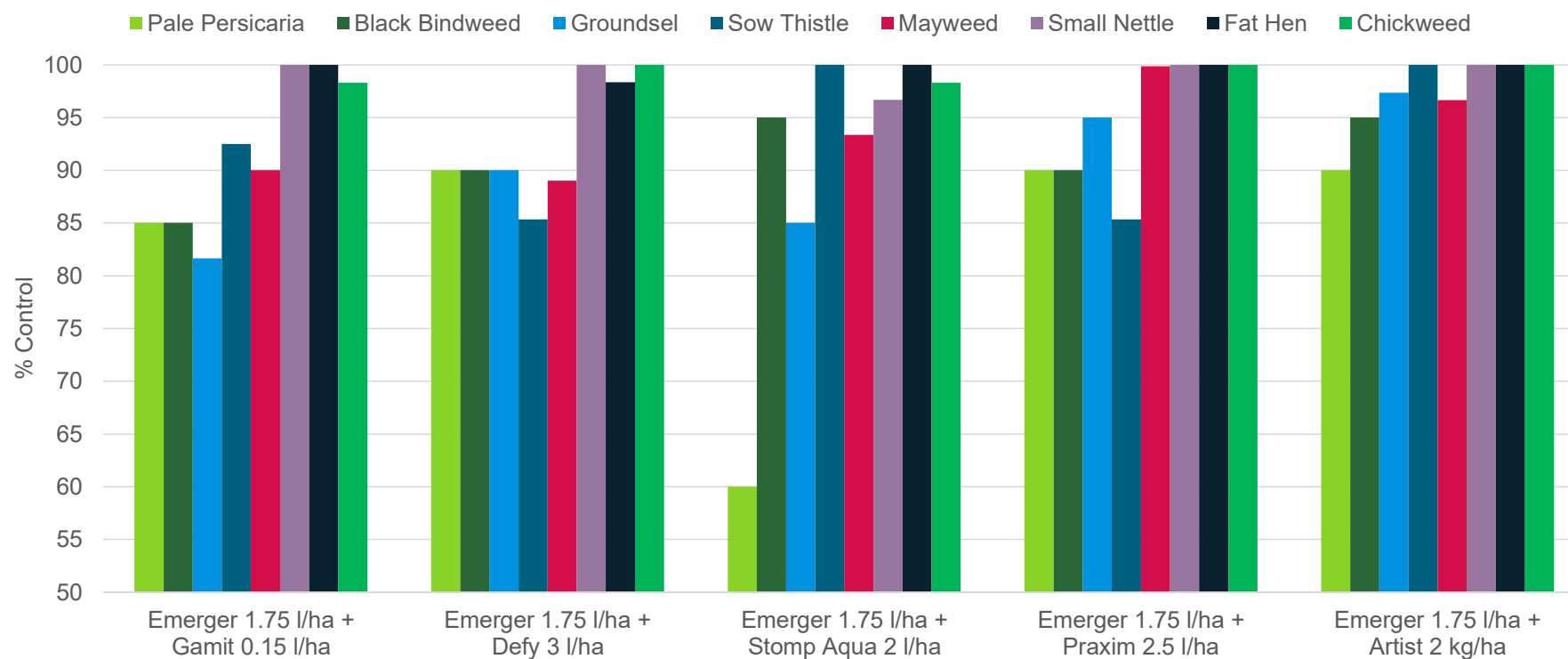


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Tank mix results – % overall efficacy



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Mean efficacy value per weed species from 1/2 trials. Main weed species: pale persicaria (7/m²), Black-bind weed (7/m²), groundsel (20/m²), sow thistle (5/m²), mayweed (4/m²), small nettle (20/m²), fat hen (19/m²), chickweed (5/m²)

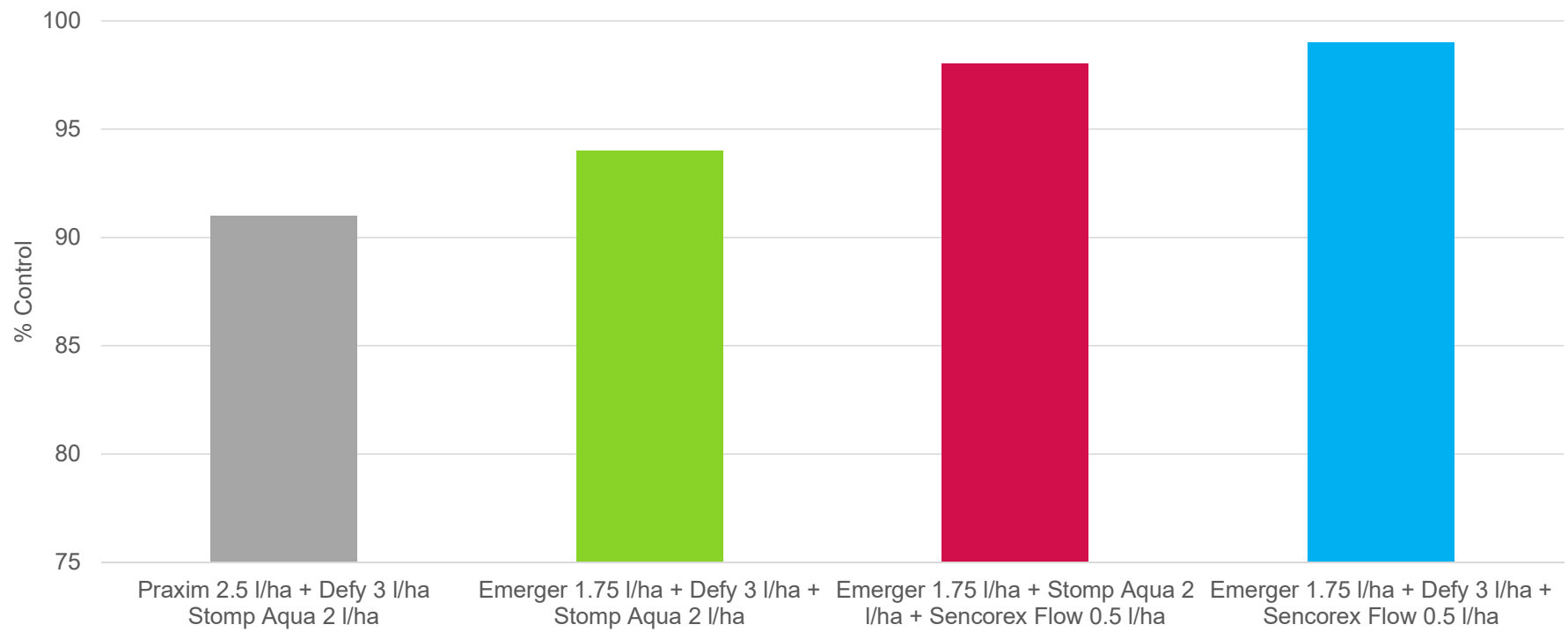


Emerger easily combines into a robust programme

Tank mix results (3-way) - % overall efficacy



Richard Austin Agriculture – Long Sutton 2019



Main weed species: pale persicaria (7/m²), Black-bind weed (7/m²), groundsel (6/m²), sow thistle (7/m²), mayweed (5/m²)



Final thoughts



- // Emerger is a bleacher with a novel MOA
- // Consistent performer for pre-emergence control
- // Effective against a wide range of annual weeds
- // Activity against grass and broad-leaved weeds
- // Emerger will be a key herbicide for the potato crop





Thank You!



Emerger contains aclonifen. Artist contains flufenacet and metribuzin. Sencorex contains metribuzin. Emerger, Sencorex and Artist are Trade Marks of Bayer. Defy contains prosulfocarb. Stomp contains pendimethalin. Praxim contains metobromuron. All brands listed may be Trade Marks of other manufacturers and proprietary rights may exist. Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label. For further information, please visit www.cropscience.bayer.co.uk or call Bayer Assist on 0808 1969522 © Bayer CropScience Limited 2020

