

technical update

Technical Update No.3 2009

Nando - A new fluazinam from Nufarm

Nando is a new fluazinam from Nufarm. It is an independent Nufarm registration package and not a parallel import. Field trials demonstrate Nando is equal if not slightly better than the leading product in the UK. Nando compliments Nufarm's existing range of multi-site acting cymoxanil + mancozeb products such as Blighter and Matilda. Nando can be used on all varieties of maincrop and early potatoes.

Active ingredient and mode of action

Nando contains 500 g/l fluazinam, a multi-site acting Blight fungicide. It is a protectant fungicide and spray programmes must commence before Blight enters the crop. Fluazinam is particularly effective against the zoospore phase of the Blight fungus which is responsible for infecting the tuber.

Pack size: 5 litre

LERAP: B

Crops and timing and application information

Application	Timing and rate		
First application	Spray at the first blight warning or when conditions are favourable for the disease, whichever is the sooner. In the absence of weather conditions favourable to disease development the first application should be made just before the potato foliage of adjacent plants in the rows begin to meet.		
Second and repeat applications	Dependant on the risk of Potato blight		
	Low risk	Medium risk	High risk
	Make applications as a precautionary measure	Following two warm, humid days or in an irrigated crop	During humid, warm weather when Blight is present in adjacent crops
	Apply at 14 day intervals	Apply 7-10 day intervals	Apply 300 ml/ha at 5-7 day intervals or 400 ml/ha at seven day intervals as appropriate according to Blight warnings and disease prediction systems

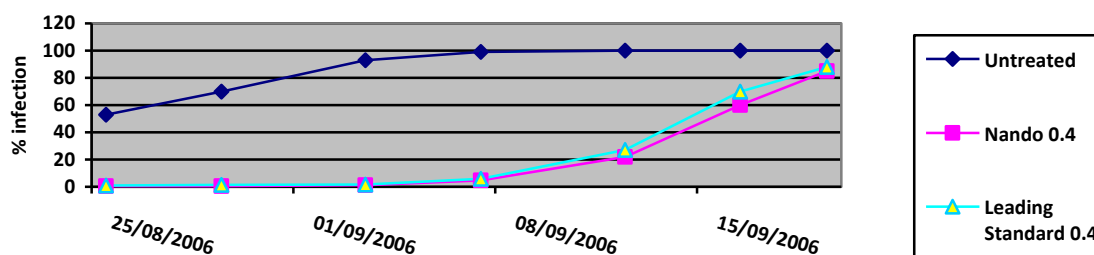
Further information	
Maximum individual dose	300 or 400 ml/ha depending on spray interval
Maximum total dose	3.0 litres per crop
Water volume	200-500 litres of water per hectare
Tuber Blight	To reduce the risk of problems with Tuber blight at harvest NANDO 500SC should be used regularly at the recommended intervals from full canopy development to complete haulm desiccation

Biological results

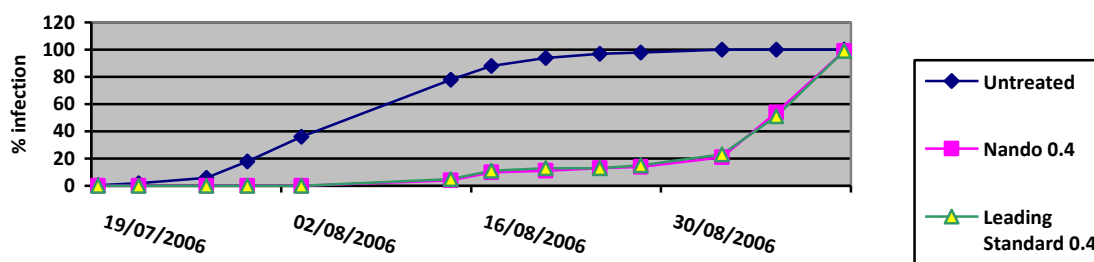
Five trials were carried out in 2006 and sprayed at seven day intervals on susceptible varieties. Trials 4 and 5 were inoculated and irrigated. Nando performed as well if not slightly better than the commercially leading standard.

Foliar Blight

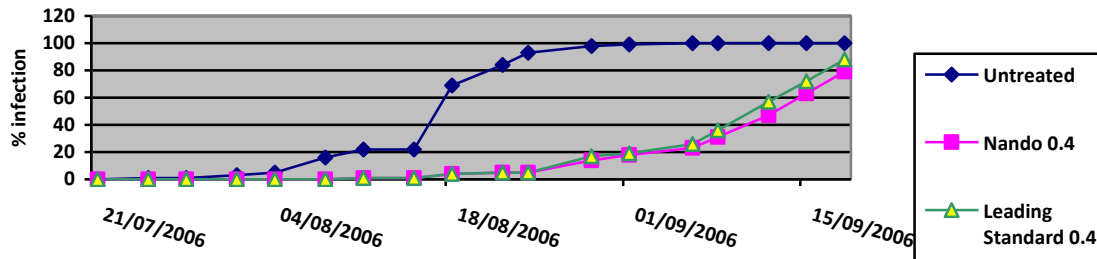
Trial 1 Blight development Agrisearch



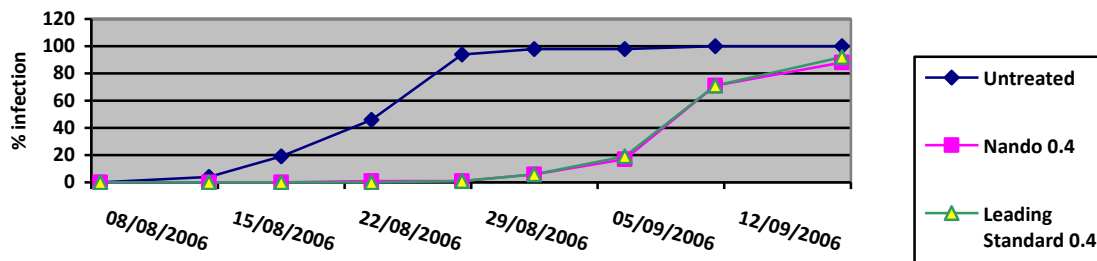
Trial 2 Blight development Agrisearch



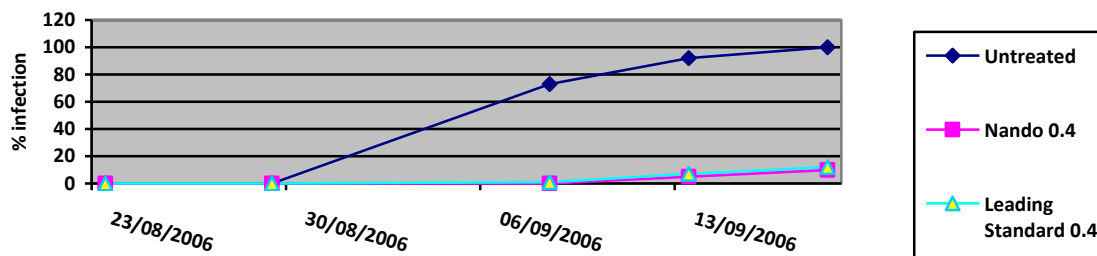
Trial 3 Blight development Agrisearch



Trial 4 Blight development Agrisearch



Trial 5 Blight development Agrisearch



Tuber blight and yield 5 trials

No significant difference in healthy Tuber yield or tuber infection was found between Nando and the standard.

Crop safety

No incidence of crop damage was found.

Mixing and spraying

Part fill the spray tank with clean water and commence agitation. Add the required amount of product to the sprayer and fill up to the required volume with water. Maintain agitation throughout the spraying operation. Wash out empty container thoroughly and add washings to the sprayer.

Use adequate water to ensure complete coverage of the foliage and stems, increasing the volume as haulm growth progresses, particularly in dense crops and under high or severe blight risk conditions. Ensure that the sprayer is clean and calibrated correctly, to give even application. Apply at the recommended water volumes using a MEDIUM quality spray (as defined by British Crop Protection Council guidelines).

Do not leave the spray liquid in the sprayer for long periods.

Integrate with other appropriate (cultural) control methods (e.g. prevent re-growth on potato dumps, destroy volunteers, use disease free seed, and ensure soil ridges protect tubers).

Further information

Details of application timings and rates are detailed in Nufarm labels and product literature; both of which can be accessed from our web site at www.nufarm.com/uk

Alternatively ring the Nufarm helpline on 0208 3197232, Monday-Friday 9 am - 5 pm.

Nando, Blighter and Matilda are Nufarm trademarks

Nando contains fluazinam

Always read the label: use pesticides safely