

Field efficacy test

Trial assumption : Institute of Plant Protection Chinese Academy of Agricultural Sciences

Trial site : Vegetable base of Beizhuanghu Village Changping Beijing

Technical director : Yuan Huizhu

Trial date: 2012.4.12~2012.5.10

Test crop: Cucumber

Control object: Cucumber gray mold

Test pesticide:

	Treatment	Manufacture
Test fungicide	1% Cnidiadin EW	Inner-Mongolia KINGBO Biotech co. ltd.
Contrast fungicide	1.5% Polyoxin WP (CAS No 19396-06-6 , Other names Piomycin)	Shanxi Meibang Agrochemicals Co., Ltd.,

Application time and dosage

The applications of 800 - 1000 times diluted liquid should be sprayed at the initial or infection period of Cucumber gray mold on grapes. the dosage of the active ingredient: 10.0g—12.5mg/kg).

Method:

Applied it on crops every 7 days, total 3 times.

Test result :

Treatment	Dilution ratio	Effective component dosage(mg/kg)	Average control effect(%)	Significant difference
1% Cnidiadin EW	1200	8.33	70.0	B
	1000	10.00	77.1	A
	800	12.5	78.7	A
1.5% Polyoxin WP	520g/mu	117.00k/ha	77.6	A

Safety:

The formulation is safe for Cucumber, no phytotoxicity appeared or observed under the testing condition.

Toxicology

1. Acute toxicity (toxicity grade:low toxicity)			
Route of administration	Test animal	Sex	LD ₅₀ mg/kg-LC ₅₀ mg/m ³
1.1. Oral	Rat	Male/Female	>5000
1.2. Dermal	Rat	Male/Female	>5000
1.3. Eye irritation: None irritation			
1.4. Skin irritation: None skin irritation			
1.5. Skin sensitization: Weak allergy			
2. Toxicity grade of TK: Low toxicity			