

Summary of Report

An Evaluation of the efficacy of Fungicide plus CropSIL
on Tulip Bulbs

2021 Results
Netherlands

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Difference

CropSIL[®]

A plant process regulator and nutrient enhancer



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*Approved Input for use in organic agriculture according to POP standard attested by Ecocert India Pvt. Ltd. (NPOP/NA8/002)



STUDY: AN EVALUATION OF THE EFFICACY OF FUNGICED + CROPSIL ON TULIP BULBS

Plant diseases are a major threat to agricultural production as they cause serious loss of crop yield and quality.

Research studies has shown that silicon (Si) has a beneficial effect on the growth and production of a wide range of plant species. Silicon (Si) is known to effectively mitigate various environmental stresses and enhance plant resistance against both fungal and bacterial pathogens.

In this trial we show the efficacy of commercial fungicide used in combination with CropSIL (OSA).

Treatment	% Fusarium Harvest		% Fusarium Total		Healthy No. Count		Rhizoctonia Index	
	Untreated	5.6	h	20.5	h	145	a	12.1
Standard Practice: 0.5% Captan + 1.5% Secure + 0.2% Rudis(prothioconazole 480 g/l) + 1% Topsin M	1.0	ab	2.8	abc	217	hijk	1.7	abc
Captan + Secure (300 g/l folpet & 100 g/l pyraclostrobine	2.3	bcde	10.7	e	193	def	3.3	abc
33% dosage fungicide + CropSIL (2ml/L) or 67oz per 264 g of water	1.4	abc	6.3	d	210	ghij	4.0	bc
Foaming Treatment								
Standard Practice.: (foaming bulbs)	0.4	a	2.0	ab	225	k	0.7	a
33% dosage fungicide + CropSIL (2ml/L) or 67oz per 264 g of water foaming	1.0	ab	3.5	abcd	214	hijk	1.4	ab
Captan+ Secure foaming	3.5	efg	11.9	ef	196	defg	1.9	abc
P-Value	< 0.001		< 0.001		< 0.001		< 0.001	
Lsd	1.5		3.2		15.1		3.0	

Findings: The combination of CropSIL and fungicide was shown to be just as effective on the tulip bulbs at lower rates of fungicide. The foaming process of the combination product had greater efficacy than the standard.

Comments: CropSIL is an ideal product for inclusion in an IPM program that is designed to minimize disease resistance and contribute to a sustainable approach. CropSIL is an excellent product that can contribute to cost reductions and improved environmental footprint of farming, crop protection and maintenance.