



केन्द्रीय कपास अनुसंधान संस्थान

(भारतीय कृषि अनुसंधान परिषद)

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To

The Chief Area Manager

IFFCO, Nagpur

Sub: *Sagarika* sprays and seed treatment tentative report

Dear Dr. Satish Naib

The station and onfarm trials tentative results are being sent to you as follows.

Station trial on black stony shallow soil

S. No	Treatment	Boll No	Seed cotton Yield q/ha
1	NPK 100% RDF	61	7.4
2	NPK RDF 75%+ <i>Sagarika</i> seed treatment	61	7.7
3	NPK RDF 75%+ seed treatment + <i>Sagarika</i> spraying twice	76	8.0
4	NPK RDF 75%+ <i>Sagarika</i> granules Soil application	87	9.5
CD±5		10	0.5

Sagarika spraying 2ml/L once before squaring under rainfed condition.

Treatment	Average boll No	Average seed cotton yield ha	Average Net Profitability
<i>Sagarika</i> spraying 2ml/L once before squaring	50	10.5	1675
Control	40	8.4	0
Difference	10	2.1	1675

Sagarika spraying 2ml/L once before squaring & flowering under two supplemental irrigation.

Treatment	Average Boll No	Average seed cotton yield ha	Average profitability INR	C:B Ratio
Two supplemental irrigations alone	65	14.0	27348	1.75
Two supplemental irrigations+ <i>Sagarika</i> Spraying 2ml/L once before squaring	75	18.3	41365	1.91
Two supplemental irrigations + <i>Sagarika</i> Spraying 2ml/L once before squaring & Flowering	87	20.0	65830	2.5

The pigeon pea strip cropping is to be harvested which changes profitability besides pink bollworm attack brought down seed cotton yields by 20%

Thanking you
Yours sincerely

A.Ravinder Raju