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Management of Cumin Blight Disease on Farmer's Field

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ABSTRACT

In Nagaur district cumin blight disease management trial was conducted through on-farm trial during the year 2020-21. Cumin seed yield of 9.74 q/ha was obtained under demonstration technology as compared to farmer's practice (7.81 q/ha). The percent seed yield under demonstrations was 25% over the farmer's practices. Under demonstrated practices, farmers got maximum net return of Rs. 89055/ha. Whereas, it was of Rs. 65215/ha under farmer's practices. The incremental benefit cost ratio was 1:3.37 under demonstrations as compared to 1:2.8 in farmer's practices.

Key words: Blight disease, Cumin.

ilrlok

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jkT; kaefdl kulads[kr ij bl Ql y eae[; : i l s>yl k (blight, *Alternaria burnsii*), m[kVk(wilt, *Fusarium oxysporum f.sp. cumini*), rFkk NkN; k (powdery mildew, *Erysiphe polygoni*) vkfn chekfj ; kaef; e l sxdkhj çdk i ean[kh xbZ gA("kekZ, oaVU;] 2013)A bu chekfj ; kaef>yl k (CykbV) , d l cl scMh chekjh g\$ tks l cl sigys ikfdLrku ns'k ean[kh xbZ Fkh ("kkfdj , oaVU;] 1995)A Hkkjr ns'k ea ; g chekjh l cl sigys mli y , oaVU; 1938 }kjk n[kh xbZ Fkh rFkk jktLFkku ea ; g chekjh l cl sigys tks'kh 1955 }kjk crkbZ xbZ FkhA bl chekjh ea l Hkh "kkdh; Hkkxka ij Nk\$&Nk\$/s ifjxfyr /kCcs cu tkrs gA tks

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Azoxystrobin+Tebuconazole @ 1 lit/ha dk thjs dh >y^l k
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dh xbZ e^l; rduhdafuEuku^l kj g^a

1. Spray of Azoxystrobin 11%+ Tebuconazole 18.3% SC @ 1 lit/ha
2. Spray of Carbendazim @ 2 g/lit

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—f'k foKku d^{bæ} ukx^k—I }kjk o'kz 2020&21 e^afd, x,
v/; ; u l s irk pyk dh v,u QkeZ Vt; y ds ek/; e l s
mi pkj u^aj 2 e^a>y^l k chekj^h dk çdkⁱ de 1/8-3 ifr"kr½
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Azoxystrobin 11%+Tebuconazole 18.3% SC dk 1 lit/ha dh
nj l s fNMdko fd; k tk; s rks >y^l k chekj^h dk çdkⁱ
cgr^r gh de 1/8 ifr"kr½ gkrk g^a "k^skor o vU; 2013 us
Hkh ik; k dh Tebuconazole dk fNMdko fd; k tk, rks
>y^l k chekj^h dk çdkⁱ ughagrk rFkk >y^l k chekj^h dh
l Hkh çtkfr; kadh c<ekj fcydy Hkh ughagrk v^k bl
chekj^h dk çdkⁱ fcydy [krRe gkstrk g^a çnf"kr rduhd
e^a thjs dh Ql y dh mit 9-74 fD^o@gDV^s j iklr g^hz
1/4kfydk 1/4 ogha bl ds foihr fdl ku i }fr e^a thjk
Ql y dh mit 7-81 fD^o@gDV^s j iklr g^hz fdl ku
i }fr e^a thjk Ql y dh mit e^a deh dk dkj.k >y^l k
chekj^h dk vf/kd 1/21-2 ifr"kr½ izdkⁱ Fkk v^k bl ds
dkj.k gh thjs dh mit e^aT; knk fxjkoV g^hz çnf"kr
rduhd e^a fdl ku i) fr ds foihr thjs dh mit e^a

çfr"kr of) Øe"kk%25 çfr"kr n^s[k xbA tkV ,oa vU;]
2019 ds vuq kj thjs dh Ql y e^a Azoxystrobin 11% +
Tebuconazole 18.3% SC dk 1 lit/ha dh nj mi; kx djus
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g^a pæ o vU; 2005 us Hkh ik; k dh l j l k^rFkk e^yh e^a
>y^l k chekj^h dk fu; æ.k djus ds fy, Azoxystrobin , d
cgr^r gh dkjxj nokbZ g^a vkfFkZrd fo"ysk.k ds v/; ; u ds
vk/kkj ij ; g Kkr g^yk dh fdl ku i) fr l s thjs dh [krh
djuse^adjhç&djhç çnf"kr rduhd ds l er^l; gh [krh
dh ykx^r 1/8250 #i ; @gDV^s j 1/2 vkbZ rFkk bl ds foihr
çnf"kr rduhd e^afdl ku dh [krh djus dh ykx^r çfr
gDV^s j : i ; s 37500 çfr gDV^s j FkkA çnf"kr rduhd e^a
fdl ku dk d^y l dy yk^hk çfr gDV^s j : i ; s 101465
FkkA ; gh l dy yk^hk fdl ku i) fr e^a : i ; s 126555 çfr
gDV^s j FkkA Azoxystrobin + Tebuconazole ds çHkko ds dkj.k
>y^l k chekj^h dk çdkⁱ çnf"kr rduhd e^acgr^r gh de
gksus ds dkj.k çfr gDV^s j "k^o yk^hk e^ac<erjh g^hz tksfd
: i ; s 89055 FkkA ogha bl ds foihr fdl ku dks viuh
rduhd l s ; g "k^o yk^hk #i ; s 65215 çfr gDV^s j çklr
g^yk tksfd çnf"kr rduhd dh r^yuk e^adgha de FkkA
çnf"kr rduhd dk ykx^r yk^hk vuq kr v/; ; u djus ij
irk pyk dh çnf"kr rduhd e^aykx^r yk^hk vuq kr 3-37
FkkA ogha bl ds foihr ; g ykx^r yk^hk vuq kr fdl ku
rduhd e^a2-80 FkkA

mi l gk

mi jk^a v/; ; u l s irk pyk fd —f'k foKku d^{bæ} }kjk
ukx^k ftyse^ad^l fdl kuka ds [kr ij o'kz 2020&21 ds
n^kku v,u QkeZ Vt; y çn"ku dsek/; e l s çnf"kr dh
xbZ cgrj rduhd l s fdl kuka dh thjs dh Ql y e^a
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rduhd e^afdl kuka dh thjs Ql y dh mit e^adkQh
btkQk g^yk v^k ftl dk vl j fdl ku dks çfr gDV^s j
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irk pyrk gSfd fdl ku —f'k foKku d^{bæ} ds oKkfudka
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l s vf/kd mRiknu çklr dj l drs g^a rFkk thjs dh
Ql y dk mRiknu rFkk gksus okys yk^hk dks c< l drs
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						[krth dh ykxr W#i ; @g D V s j ½	l dy y k k W#i ; @g D V s j ½	"l q y k k W Dø@ g D V s j ½	ykxr y k k v u i k r
T ₁	Spray of carbendazim (Farmers practice)		21.2	7.81	-	36250	101465	65215	2.80
T ₂	Spray of qazoxystrobin + tebuconazole @ 1 ltr/ha	10	8.3	9.74	25.02	37500	126555	89055	3.37

I aHkZ

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