

**thi oi aj ; j hfFk; mRtpz pi a vt;thW fI LggLj ;J tJ?**  
 gh. gj kehgd; kwWk; vk;vk;K] j gh  
 Nj rla thi o Muharrp i kak>  
 Nj hfki y NuhL>  
 j haD}h; (mQry)>  
 j pUrjhggssp - 620 102.

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fpoqF \$d; tz L> j z L J i sfFk; \$d; tz L> mRtpz p nkOF  
 Grrp , i yj j pdDk; GOffs; kwWk; fhaNgd; Mfplai tfs> thi oi a  
 j hffp Nrj huj i j VwgLfWJ. ki yg; gFj pfsy> rhFgb nraaggLk; thi o  
 gaphy; mRtpz p mj pfkhf fhz ggLfWJ. , gGrrp Fi wej ntggepi yapy;  
 mj pfk; ngUf, fki l af; \$baJ. j kpoehl by; j p Lf;fy; khtl l k; godp ki yg;  
 gFj paYk; (tUgghf\ p , ufk)> rWki yg; gFj paYk> ehkffy; khtl l j j py;  
 nfhyyp ki yg; gFj paYk; (ekud; kNdhud;[ ] k)> Nryk; khtl l Nrtuhad;  
 ki yg; gFj paYk; (ekud; kwWk; fphz l i ed) mRtpz pahdJ mj pfkhf  
 fhz ggLj hy> , gGrrpahy; guggggLk; Kbfnfhj ;J NehAk; mj pfkhf  
 thi oap; nj dgLfWJ. fb; godp ki yapy; 1972-73k; Mz by; Rkhh; 36000  
 Vffh; guggyy; thi o gahp ggl l J> gpd; Kbfnfhj ;J Nehapd; j ptu  
 j hfFj yhy; , ggFj pfsy; thi o rhFgb ntFthf Fi wej J. mj dgWf  
 Ntshz ; Muharrpahshfsjd; j ptu Kbfnfhj ;J xopG j pl l j j pd; gpd; 1984-  
 85y; thi o c wqj j p XuST , ayG epi yfF tej J> j wngHOJ , ggFj paYp;  
 Rkhh; 3000 Vffh; guggyy; thi o gahp ggLfWJ .

thi oap; mRtpz p Grrpfs> erRAhp j hffggl l kuqfsy; rhi w  
 c wQrpptp L gpd; kww kuj j wF nrdW rhW c wQRKnghOJ> Kbfnfhj ;J  
 Neha; guggggLfWJ. vdNt mRtpz pi a fI LggLj ;J y; kpf mtrpk;  
 mRtpz pahdJ thi o ku fdWfsjd; , i yg; gl i l fS fF , i l apy;  
 fhz ggLk; (**gI k;1** a & b). , j i d xUqfpi z ej gahp ghJ fhgG Ki wi a  
 fi l gbj J fI LggLj j yhk;

xUqfpi z ej Grrp ehtthfk; vdgJ mi dj J ti fahd fI Lgghl L  
 Ki wfshd c ahpay> , df; fthrrqngnghw> , urhad Grrp; nfhyyp Nghdw  
 vyyh ti fahd Ki wfi sAk; i fahz L Grrpfi s fI LggLj ;J tNj  
 xUqfpi z ej Grrp ehtthfk; vdW mi offggLfWJ. , t;thW nraAk;  
 nghOJ , urhad Grrp; nfhyypfsjd; c gNahfj i j mj pf mstpy; Fi wff

Kbf<sub>w</sub>J. NkYk; , j dhy; , awi f tsqfS fF VwgLk; ghj pggpi d j t<sub>h</sub>ggJ kl Lk; , yyhky; thi o rhFgbffhd nryTfi sAk; Fi wff Kbf<sub>w</sub>J.

thi oap; mRtpz pi a vtthW fl LggLj JtJ vdgJ tptrhafS fF nj h<sub>e</sub>J ssJ vdgj py; reNj fkpyi y. Mdhy> xUqfpi z ej Ki wi a gadgLj J tj hy; VwgLk; edj kfs; mj pfk;

### **xUqfpi z ej gapjhJgG Ki w:**

1. thi o eLT nratj wF KdG> Fop xdWfF 15 fphk; NghNul; FUi z kUej pi d , I Ntz Lk; gwf e<sub>h</sub>; gharRj y; kpf mtrpk;
2. i l nkj Nj hNal; vdw kUej pi d (2 kpyp xU yplh; e<sub>h</sub>py; fyeJ) , i yg; gl i l fS fF , i l ap; edF ei dAkhW nj spff Ntz Lk;
3. , awi f Ki wap; Grrpi aj; j hfFk; nthbrlyak; nyffhi d (*Verticillium lecanii*) vdw GQrhz j i j 1 fphk; xU yplh; e<sub>h</sub>; vdw mstpy; fyeJ , i yg; gl i l fS fF , i l ap; edF ei dAkhW nj sj J fl LggLj j yhk; myyJ gNthpah Ngrpahdh(*Beuveria bassiana*) vdw Grrpi aj; j hfFk; j pt tbt GQrhz j i j xU yplh; e<sub>h</sub>py; 3 kpyp kUeJ vdw mstpy; fyeJ; , i yg; gl i l fS fF , i l ap; edF ei dAkhW nj sj J mRtpz pi a fl LggLj j yhk; (gl k;2).
4. Nj hl ij j py; erRAhp Neha; j hffpa kuqfi s fl LggLj j , thi o kuj i j mbNahL ntLb t<sub>h</sub>L> mj d; Nky; AhpahTI d; 200 kpf 2-4> D vdw kUeJ f; fyi ti a , l fl LggLj j yhk;
5. Kbf;
6. nfhj J Neha; j hffpa kuqfspy; , UeJ el T nraa thi of; fl i l fi s Nj hT nraaf\$lhJ.

NkYk; tguqfS fF , afFeh> Nj rpa thi o Muharrp i kak> Nj hfk i y NuhL> j haD}h; (mQry)> j pUrphggssp - 620 1202 vdw t<sub>h</sub>hrj j wf fbj k; %yk; vOj p tguqfi s nj h<sub>e</sub>J nfhsyhk; myyJ mi yNgrp vz ; 94425 83117 %yk; nj hl hG nfhz L thi o mRtpz p fl LggL kwWk; Grrpi aj; j hfFk; GQrhz j i j gwpp nj h<sub>e</sub>J nfhs s nj hl hG nfhsSTk;

**gI k;1-** a. Kbfñfhj ;J (erRah) Neha; j hffja thi o  
b. thi o , i yg; gI i l fS fF , i l aþy mRtþ p Grrp

a

b



**gI k;2.** mRtþ p Grrpfs; j hffggl i thi o

