

fuEu lykFLVd I jx dk yksh dh mit ,oavkFkdh ij iHko

vukh dekhj] vtq flg tkw¹ ,o egsk pkshj²

—f'k foKku dhn] ekyl j] 341 506&ukxj] Nf'k fo"fo |ky;] tskij] jktLFkku¹ Hkkjra

i klr%nl Ecj 2020

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I kjak

vfxe iDr An"kuadk eq; mrs; fofHku —f'k&tyok; q{ks=ka vkj [krh dh fLFkr; kadsrgf dli ku ds{ks= eaubz tkjh Ql y mri kn d cks] kxfcd; kavj bl dscczku vkp.j.k dk cn'ku djuk gA —f'k foKku dhn] ekyl j] ukxj }kj yksh dh cks eh mri knu rduhd dsgLrkj.k eavfxe iDr An"kuadsegRo dksagl djsrg] cks] kxfcdh dh vkFkd 0; ogk; Ik dk vkadyu djsusf, fdl kuds{ks= eavfxe iDr An"kuadk vk; kstu fd; kA yksh mri knu dh fuEu lykFLVd I jx cks] kxfcdh vkj i kja fjd fof/k dsrgukRed ew; kdu dsifj.kke I sirk pyrk gsfcd cn'kuadk vkj r mit 298 fDo/y cfr gDVj i kbzxb] tcf d i kja fjd Ql y dsf, ; g 245 fDo/y cfr gDVj i k; h x; hA v/; u dsifj.kke I sirk pyrk gsfcd tc yksh fuEu lykFLVd I jx ear\$ kj dh tkrh gsrk i kja fjd fof/k dh rgyuk eal dy vk; 1238400 #-@gs/ 'kq vk; 138200 #-@gs/ vkj yksh ykx vuq kr 12-38% mPpre jgk I kfk gh yksh dh dty mit vkj cfr; fuV {ks= dk 'kq yksh I kell; [krh dh rgyuk eavf/kd jgk D; khd mit cktkj eatYnh igp x; h fti I ackettj eavkod vf/kd gkus I agkusokysupl ku I scp xbzo epkOk vf/kd jgkA

"kn dfr%yksh] vfxe iDr An"ku] fuEu lykFLVd I jx] cks eh [krhA

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Effect of low poly tunnel on the yield and economics of bottle gourd

Anop Kumari¹, Arjun Singh Jat¹, Mahesh Choudhary²

Krishi Vigyan Kendra, Maulasar, Nagaur-341 506, Agriculture University, Jodhpur, Rajasthan, India.

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ABSTRACT

The main objective of Front Line Demonstrations (FLDs) is to demonstrate newly released crop production technologies and its management practices at the farmer's field under different agro-climatic regions and farming situations. Realizing the importance of frontline demonstrations in transfer of off season production technologies in bottle gourd, Krishi Vigyan Kendra, Maulasar, Nagaur-II conducted FLDs at farmers' field to assess the economic feasibility of technology. Result of a comparative evaluation of low poly tunnel technology and traditional growing method of bottle gourd showed that the average yield of demonstrations was found to be 298 q/ha, whereas, for local crop, it was found to be 245 q/ha. The gross returns (Rs. 238400/ha), net returns (Rs. 138200/ha) and BCR (2.38) ratio were also recorded highest in bottle gourd grown under low tunnel compared to local check. The total bottle gourd yield and net profit per unit area were above normal when grown under low tunnels as the produce reached the market early avoiding the market glut.

Key words: Bottle gourd, Front line demonstration, Low poly tunnel, Off season cultivation.

Alrkouk

nsk dsfofHku fgLI kaeyxHkx 70 I svf/kd i dki dh I fct; k; mxk; h tkrh gdfueadnmxh. I ey dh 20 I svf/kd I fct; kadh [krh dh tkrh gA ; g xfe kadsels e dh I fct; kadh I cl acMk I ey gsfcd dpljfcVd h dty dsVurxr vkrk gA dnnmxh. I fct; kaeyksh dk LFkk

cfke gA ; g i ksk.k , oavkFkd n"Vdsk I acgr egdoi wZ gkrh gSbl eafvKfeu , oafkuf rlo rskHj i j gkrsgH gS I kfk gh ty dh Hkh i ; klr ek=k gkrh gsfcd dscdk.k bl ds iz lx I s'kjH rjkrkt jgrk gA bl dsgjsQykal sl Cth dsvykok feBkb; k] jk; rk] dkQr] [khj vkfn cuk; a tkrsgabl dh i fuk; k] ruao xms I svud cdkj dh vskf/k; k

Corresponding author's E-mail: anopflori.25@gmail.com

¹dfrk foKku dhn] ekyl j] 341 506&ukxj] Nf'k fo"fo |ky;] tskij] jktLFkku¹

²dfrk foKku dhn] Orgij & 'kshokv] I hclj] 332 301] Wj d.k.ujhn Nf'k fo"fo |ky;] tskij] jktLFkku²

¹Krishi Vigyan Kendra, Maulasar, Nagaur-341 506, Agriculture University, Jodhpur, Rajasthan, India.

²Krishi Vigyan Kendra, Fatehpur-Shehawati, Sikar-332 301, Rajasthan (Sri Karan Narendra Agriculture University, Jobner).

cuk; h tkrh gSbl scKv/y xkMZ dsuke l stKuk tkrk gA bl dh [krh dsfy, xel, oavknz tyok; qdh vko'; drk gkrh gSvr%vf/kdrj bl dh cKvkbZ xehZ, oao"KZ ds l e; eagh dh tkrh gA

mÜkjH Hkkjr eal fnZ kaeade rkieku o "khyggj jch Ql ykadscgr upl ku i gprh gA dëkj , oal kFkh ½2015½ ds vuq kj yksh ds Qy vçsy l suoj rd cktkj eacgyrk l amiyC/k jgrsgf ftl l scktkj eavkod vf/kd gkusdh otg l aHkkoka eahkkjh fxjkoV vk tkrh gA fnl Ecj l ækpZrd l fct; kadh cktkj eavkod de gkusl abudh nj vf/kd jgrh gA vr%fdl kuka dh vkenuh ea of) grq vxrh vFkok cæK eh l Cth mRi knu vf/kd Qk; næn jgrk gA l Cth mRi kno dbZ l jf{kr çKsI kSxf; ka dk fodkl fd; k x; k gSij Urgrduhd dh fVdk Årk o vahdj. k ogka dh tyok; j fdl ku dh vkfFkZ n'kkj rduhd dk ÅHkko vkfn dkjdka ij fuHkj djrk gA l jf{kr l jipukvkaeayks lykflVd Vuy l cl al Lrh o Qk; næn rduhd gA Mp, d ½2009½ ds ifj.k. kka ds vuq kj fullu i klyffku l jax dh l gk; rk l al fct; kadh vxrh@cæK e mRi knu ydj Åps nkeaeacpk tk l drk gSD; ksd vxrh o cæK eh Ql yks dk cktkj Hkko vf/kd jgrk gA

fuEu lykflVd Vuy , d h l jf{kr l jipuk gSft l s e[; [kr ea Ql y dh jki kbZ dsckn çR; sd Ql y D; kjh ds Åij de ÅpkbZ ij lykflVd dh pknj < d dj cuk; k tkrk gA ; g Ql y dksde rkieku tgka nhZdsek e ea jkr dk rkieku yxHkx 40 l s60 fnukard 8 fMxh l suhps jgrk gS l sgkusokysupl ku l scpkusdsfy; scukbZ tkrh gA blgh fcny/ka dks/; ku eaj [krsgg a d"K foKku dñn] eksyl j] ukxkS }kjk d'kdka ds [krka ij vfxe i ÅDr Ån"Kuka dk vk; kst u fd; k x; k l kFk gh l LFkxr o vl LFkxr Åf"K{k. kka dk Hkh vk; kst u fd; k x; k ftl l aftyæarduhd dk vf/kd l avf/kd Åpkj&Ål kj gks l dA Ån"KZ i fj. kkeka dks fdl ku ÅR; {k nS[kdj l kekl; o mlur rduhd ds i fj. kkeka ds l kFk gh vkfFkZ n"Vdks k dh foopuk Hkh Lo; a dj l drsgA oKkfud rduhdka ds fdl kukard gLrkaj. k dsfy, bl rjg ds Ån"KZ , d ÅHkko eh/; e gA

I kexh ,oa ijh{k.k fof/k

; g v/; ; u —f"K foKku dñn] eksyl j] ukxkS }kjk o"KZ 2018&19 ea dñæ ds ifjpkYu {ks= ds xkoka ea fd; k Fk ftl eayksh dh fdLe i l k uohu o fuEu i klyffku l jax }kysi klyffku Vuy½ ds ÅHkoka dka tkpuagrql fæfyr fd; k x; kA dgy 10 Ån"KZ nks xkoka ea 1 gDVs j {ks= ea vk; kst r fd, x, FkA Ql y eai ksd rRokadh vki firZenk ijh{k.k ds vk/kkj ij xkaj dh [kkn o j l k; fud mojbZka dsek/; e l sdh xba fuEu i klyffku l jax dk fuekZ D; kjh ds Åij 2 fe-eh eks/srkjka ds? kjsucudj fd; k x; kA rkjka dschp dh njh 1-5 l s2 ehVj j [kh o e/; l s ÅpkbZ Hkh 50&60 l eh- j [kh x; hA bl dka 50 ekbZka eks/kbZ rFkk yxHkx 2 eh- pkB/abZ dh i kjn'kZ lykflVd dh pknj l s<dk x; kA < dusdsckn lykflVd dsy EckbZokysnkakaf l jka dks feeh l snck; k x; k ftl l ajksir Ql y ij lykflVd dh , d y?ql jax cu tkrh gA rkieku dks/; ku eaj [krsgg Vuy dh lykflVd dks Qojh ds vr l sekpZ ds çFke l lrg ea ijh rjg l sgV k fn; k x; kA buafl pkbZ grq cm&cm fl pkbZ i) fr viuk; h x; hA

Ån"KZ vk; kst r djus l aiwZ l Hkh ÅfrHkxh d'kdka dksyksh mRi knu o Vuy LFkfi r djuso bl dk Åc/ka djsdsrkS&rjhdkS ij Åf"Kf{kr fd; k x; kA l Hkh vfxe i ÅDr Ån"Kuka dk voykdu dsokds ds oKkfudka }kjk l e; & l e; ij fd; k x; k o Ql y mRi knu vkfFkZ vkdM/ , df=r fd; s x; Å rri "pkr~ bu vkadM/ka dk LFkkuh; i) fr ds l kFk l dgy djdsoLrr fo"ysk. k fd; k x; kA

ifj.kk o foopuk

vfxe i ÅDr Ån"KZ ds vxr ÅfrHkxh d'kdka ds [kr ij yxk; s x; a Ån"Kuka dh rgyuk o d'kd i) fr l a Ål r mi t dks rkfydk 1 ean"KZ k x; k gA

rkfydk eafn; a x; s vkadM/ka dk v/; u djus l a Kkr gkrk gSfd yksh dh mlur fdLe dks fuEu i klyffku l jax ea l exz fl Qkfj l ka ds l kFk yxkus l a vkS r mi t d'kd i) fr dh rgyuk eavf/kd jghA Ån"Kuka dh vkS r mi t 298 fDvY tcfd d'kd i) fr ea 245 fDvY Åfr

rkfydk 1: yksh dh mi t ij fuEu i klyffku l jax dk çHkkoA

yksh Qyad h mit ½Dæ@gS½			mit ea ifjorZ ½Åfr"kr e½	
Ån"KZ			d'kd i) fr	
vf/kdre	U; mre	vk r		
332	267	298	245	21-63

rkfydk 2: ykðh ds vkrFkð ekinMka ij fuEu i klyfFku l jax dk çHkoA

Án"lZka dk vkFkð fo"ysk.k ¼ -@g%				d'kd i) fr dk vkFkð fo"ysk.k ¼ -@g%			
mRiknu ykr	l dy vk;	'kð çfrQy	ykhk %ykr vuq kr	mRiknu ykr	l dy vk;	'kð çfrQy	ykhk %ykr vuq kr
100200	238400	138200	2-38	95517	186000	90483	1-95

gdVs j jgh bl Ádkj n[kk tk; sarksmi t eaLFkkuh; i) fr dh rgyuk ea 21-63 Áfr"kr dh c<krjh n[kh x; hA bu Án"lZka dsvf/kd mRiknu eafgrxkg d'kdka dks dsoh ds }kjk çpkbZ l a i mZfn; k x; k Áf"kk{k.k} l el kef; d l ykg] mUur fdLe dscht] i klyfFku l jax] enk i jh{k.k dsvk/kkj ij mojdka dk mi; kx br; kfn Áefk dkjd jgA fl g ½2019½ dsvuq kj lyfLVd pknj ds<dusl syk&Vuy ds vlnj dk l we okrkoy.k dkQh cny tkrk gSrfk fnu ds l e; tc /ni fudyrh gsrksVuy dsvlnj dk rkieku c<+ tkrk gSftl l sde rkieku gksrgg Hkh i kssdk fodkl rsth l sgkrk jgrk gA bl Ádkj dsfu'd'kz d[ekj , oal kFkh ½2017½ rFk egnh , oal kFkh ½2014½ }kjk Øe"l% djsys, oa i Úkk xkblh eaHkh ÁLrç fd; s x; A

rkfydk&2 dk vkFkð fo"ysk.k djust l a Kkr gsrk gSfd Án"lZka l aÁkr l dy vk;] 'kð çfrQy rFk ykhk % ykr vuq kr d'kd i) fr l sÁkr vk; l svf/kd Ákr g[ka v/; ; u ea238400 : -@gs dh l dy vk; Ákr gbZ ftl l a 138200 : -@gs ds fgl kc l a 'kð çfrQy feyka bl h Ádkj ykhk % ykr vuq kr Hkh 2-38 jgk tkðd d'kd i) fr dh rgyuk eavf/kd Fkka bl dk e[; dkj.k fuEu i klyfFku Vuy jgk ftl dh otg l s Qy Qjoh ds igys i [kokMear\$ kj gks x; so l e; l sigys gh cktkj eavkus l smudk eW; v[fd çkr g[ka d[ekj , oal kFkh ½2018½ }kjk fd; ax; sv/; ; ukalHkh orðku eavk; s Án"lZka ds ifj.kkeka dh i qV djrsgA

fu'd'kz

ÁLrç v/; ; u ds ifj.kkeka l a; g fu'd'kz fudyrk gSfd de rkieku dsdkj.k l fnz kadsek e eatc rkieku de gk tkrk gSml l e; ykðh dh [krh djuk ef' dy gsrk gSi jUrql jf{kr l jpkukv[adsek/; e l al kyHkj i shkoy yh tk l drh gA ; s l jpkuk, a vLFk; h gsrh gS ftUg vko'; drk i Mus ij vkl kuh l snl jh txg ys tk; k tk l drk gA ; g n[jh l jpkukv[adsh vi \$kk dkQh dkj xj , m l Lrh rduhd gSftUgsr\$ kj djuk dkQh vkl ku gsrk gA

; s l jpkuk; sde rkieku l sgkusokysuq l ku dsl kFk&l kFk rst gok] vky} o"kkz i kyk vkfn l shk j{kk inku djr h gA yk&Vuy l jpkuk esgfjr xg t\$ k gh okrkoy.k mRi é gk tkrk gA gfjr xg dh rjg Vuy eaHkh dkcZu Mkðvkð l kbM dk l p; dj.k gsrk gSftl l s i ksska dh i d'k'k l a ysk.k fØ; k eaof) gsrh gS tksfd i shkoy dks c<kusea l gk; d gsrh gA vfxe i fDr Án"lZka ds ek/; e l a d'kdka ea çekð eh l cth mRiknu ds fy, fo"okl i shk fd; k tk l drk gA bl rjg dh l jpkuk; a fdl kuka dh vk; dks nkx[uk djusea Hkh egRo i wkZ Hkfiedk fuHkk l drh gA

l mHkz

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