Hkkjrh; df"k vuqla/kku if=dk] **35**(4): 257-260 DOI: 10.18805/BKAP262

l;kt dh mit ,o vkfFkdh ij vfxe ifDr Án"kuk dk çHkko

eg"k pkËkjh*] vkj-d- nyM] vuki dekjh[1] ,o ch-,y- vkgoky

Ñf"k foKku dUn] Qrgij&"k[kkokVh] lhdj&332 301] ¼Jh d.k ujUn Ñf"k fo'ofo|ky;] tkcuj&jktLFkku½] Hkkjr

ikIr% tuojh 2021 Lohdr% vçy 2021

lkjk"k

l;kt ¼*,fy;e lik* ,y-½ Hkkjr e lcl egRoi.k cYc Qlyk e l ,d g] tk jktLFkku e lhdj fty d NkV vkj lhekr fdlkuk dh vk; c<ku e ijd Hkfedk fuHkkrk gA LFkkuh; fdLe dh HkMkj.k {kerk e deh fty e l;kt dh [krh e çe[k ck/kkvk e l ,d gA fty d vf/kdk"k fdlku LFkkuh; Lrj ij Lo&mRikfnr ch tk dk mi;kx vKkr L=kr d fy, dj jg gA vu"kflr fdLek dh [krh cgr gh lhfer gA bl folxfr dk cnyu d fy, —f"k foKku dæ] Qrgij&"k[kkokVh] lhdj u lhdj fty d p;fur xkok e okLrfod —f"k fLFkfr d fy, cgrj HkMkj.k {kerk d lkFk mPp mRiknu çkIr dju d mí'; l l;kt dh mUur fdLe dk çn'ku yxk; x,A ifj.kkek l irk pyrk g fd Vh-,l-,l ¼13-1 Áfr"kr½ vkj vklr HkMkj.k {kerk ¼5&6 eghu½ çn'ku fdLe e vf/kdre nt dh xb Fkh] tcfd d'kd i)fr e ; cgr de FkhA mUur mRiknu rduhd dk viukdj vklru 347-62 fDo@gDV;j l;kt dnk dk mRiknu gvk] tcfd] d'kd fof/k e mRiknu 343-20 fDo@gDV;j FkkA vkdMk d vFk'kkL= l irk pykrk g fd çn"ku e vklru 1]60]834 :-@gDV;j dk 'k) ykHk gvk] tcfd Ñ'kd i)fr d rgr ;g 62]030 :-@gDV;j FkkA çn'ku d rgr ykxr ykHk vuikr 2-34 Fkk] tcfd Ñ'kd i)fr d rgr ;g 1-90 FkkA v/;;u l ;g Hkh irk pyrk g fd vfxe ifDr çn'ku tehuh Lrj ij çk|fxdh d gLrkrj.k d fy, çe[k foLrkj midj.kk e l ,d g tk lh/k çk|fxdh d {kfr t çlkj dk çHkkfor djrk gA ;g fdlkuk dh vk; c<ku dk ,d vPNk fodYi gk ldrk gA

"kCn dthA Án"ku] vkfFkdh] vfxe ifDr Án"ku] ,u-,p-vkj-Mh-,Q yky&3] l;kt] HkMkj.kA

Bhartiya Krishi Anushandhan Patrika, **35**(4): 257-260

Impact of front line demonstration on yield and economics of onion

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ABSTRACT

Onion (*Allium cepa* L.) is one of the most important bulb crops in India, which plays a major role in supplementing the income of small and marginal farmers of Sikar District in Rajasthan. In the district one of the major constraints in onion cultivation is poor keeping quality of local variety. Most of the farmers in the district are still using the locally self produced seeds of unknown source. The cultivation of recommended /released varieties is very limited. To replace this anomaly Krishi Vigyan Kendra, Fatehpur-Shekhawati, Sikar has introduced improved variety of onion through front line demonstration in selected villages of Sikar district with the objective of getting higher production with good storage potentials under real farm situation. The result showed that maximum TSS (13.1%) and average keeping quality (5-6 months) was recorded in demonstration variety whereas, it was very less in farmers practices. On an average the bulb yield achieved by adopting improved production technology was 347.62q/ha, whereas, the corresponding yield ranges under farmers practices was to 343.20q/ha. The economics of data indicated that an average of Rs. 160834/ha was recorded net profit under recommended practices, while it was Rs 62030/ha under farmer practices. Cost benefit ratio was 2.34 under demonstration, while it was 1.90 under farmer practices. The study suggests that front line

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[1]df"k foKku dUn] ekykIj] 341 506&ukxkj ¼Ñf"k fo"ofo|ky;] tk/kij] jktLFkku½] Hkkjr

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demonstration is one of the key extension tools for transfer of technology at grass root level that directly impact the horizontal spread of technology. This can be also a good option for enhancing farmers' income.

Key words: Demonstration, Economics, FLD, NHRDF Red 3, Onion, Storage.

ÁLrkouk

l;kt ,d egRoi.k dnh; Qly g ftldk okuLifrd uke ,fy;e lik ,y- gA ;g viu rh[k Lokn o fo"k'k x/k d dkj.k vf/kdrj lfCt;k e nfud :i l mi;kx e fy;k tkrk gA l;kt e rh[kkiu mle miyC/k lYQj d dkj.k gkrk g ftldk e[; vo;o ,ykby&çkikby MkblYQkbM gkrk gA l;kt mRiknu d ekey e Hkkjr dk nljk LFkku g vf/kdre l;kt dk mRiknu phu e gkrk gA n"k e bldk mRiknu e[;r;k egkjk"V] dukVd] e/; çn"k] xtjkr] fcgkj] vk/k çn"k] jkt LFkku] gfj;k.kk ,o ryxkuk e gkrk gA jkt LFkku e lhdj fty k l;kt mRiknu d ekey e nlj LFkku ij gA vU; lfCt;k dh ryuk e fty e l;kt d vrxr lokf/kd {k=Qy vkrk gA m|ku foHkkx] lhdj d vkdMk d vulkj 2018&19 e l;kt d vrxr 12450 gDV;j {k=Qy Fkk ftll 326004 efVd Vu dk mRiknu gvkA ;gk dk l;kt jkT; e gh ugh vfir vU; jkT;k tl gfj;k.k] itkc] fnYyh bR;kfn e ehB l;kt d uke l viuh [kkl igpku cuk j[kh gA fty d vf/kdk"k fdlku LFkkuh; Lrj ij r;kj chtk dk Á;kx gh vxyh Qly r;kj dju d fy, djr gA fty e vf/kdrj fdlku l;kt dh [krh jch e gh djr g ftldh [knkb dk dk; vÁy efgu d vkl&ikl djr g bl le; l;kt dh vkod vf/kd gku l ckt kj e Hkko vPN ugh fey ikr gA

LFkkuh; fdLe dh lcl cMh leL;k [kjkc HkMkj.k {kerk g ftld dkj.k fdlkuk dk mit de eY; gku d ckotn Hkh cpuh iMrh gA bUgh ckrk d dk /;ku e j[kr g; Ñf"k foKku dUn] Qrgij] lhdj }kjk Ñ'kdk d [krk ij vfxe ifDr Án"kuk dk vk;ktu fd;k x;k lkFk gh lLFkkxr o vlLFkkxr Áf"k{k.kk dk Hkh vk;ktu fd;k x;k ftll fty e rduhd dk vf/kd l vf/kd Ápkj&Álkj gk ldA

lkexh ,o ijh{k.k fof/k

;g v/;;u —f"k foKku dUn] Qrgij] lhdj }kjk o"k 2018&19 e dUæ d ifjpkyu {k= d xkok e fd;k Fkk ftle l;kt dh mUur fdLe ,u-,p-vkj-Mh-,Q 3 dk ÁHkko LFkkuh; fdLe d lkFk tkp gr lfEefyr fd;k x;k FkkA dy 16 Án"ku 4-8 gDV;j {k=Qy e yxk, fd, lkFk bud lkFk gh LFkkuh; Lrj ij r;kj cht dh ik/k dk jki.k Hkh bru gh {k=Qy e djok;k x;k FkkA rkfydk 1 e n"kk; vulkj Án"kuk gr r;kjh djok;h x;hA ik/k"kkyk r;kj djoku dk dk; uoEcj d ÁFke llrkg e djok;k x;k o yxHkx 50 fnuk dh ik/k gku d i"pkr bldk jkik.k e[; [kr e djok;k x;kA Án"kuk e vPNh lMh gb xkcj dh [kkn 400 fDoVy ifr gDVj dh nj l [kr r;kj djr le; o bld vykok 100 fdykxke u=tu] 50 fdykxke QkLQkjl rFkk 50 fdykxke ikVk"k dh Hkh Myok;h x;h FkhA Án"ku vk;kftr dju l io lHkh Áfr Hkkxh Ñ'kdk dk l;kt mRiknu l lcf/kr rduhdk d ck e foLrkjiod tkudkjh miyC/k djok;h x;hA vf/kdrj fdlkuk u LFkkuh; fdLe dk dnk dh [knkb d 2 efgu d Hkhrj 400 :-@fDo d fglkc l cp fn;k o Án"ku e yxkb fdLe d dnk dk vklru 5 efgu HkMkj.k dju d ckn 800:-@fDo d fglkc l ckt kj e Hkt kA lHkh vfxe ifDr Án"kuk dk voykdu d-oh-d- d oKkfudk }kjk le;≤ ij fd;k x;k o Qly mRiknu vkfFkd vkdM ,df=r fd; x;A rri"pkr bu vkdMk dk LFkkuh; i)fr d lkFk ldyu djd foLrr fo"y'k.k fd;k x;kA

ifj.kke o foopuk

vfxe ifDr Án"ku d vrxr Áfr Hkkxh Ñ'kdk d [kr ij yxk; x; Án"kuk dh ryuk o d'kd i)fr l Ákl r mit dk rkfydk 2 e n"kk;k x;k gA rkfydk e fn; x; vkdMk dk v/;;u dju l Kkr gkrk g fd l;kt dh mUur fdLe dk lex flQkfjlk d lkFk yxku l HkMkj.k ekud ,o vkl r mit d'kd i)fr dh ryuk e vf/kd jghA Án"ku e yxk;h fdLe ,u-,p-vkj-Mh-,Q jM&3 dk Vh-,l-,l eku vkl ru 13-1 Áfr"kr o HkMkj.k {kerk 5&6 eghu vkdh x;h tcfd LFkkuh; fdLe dk Vh-,l-,l eku vkl ru 7-9 Áfr"kr o HkMkj.k {kerk 2&3 efgu nt dh x;hA bl h rjg mit dh ckr dj rk ,u-,p-vkj-Mh-,Q jM&3 oky Án"kuk dh vkl r mit 347-62 fDoVy@gDV;j jgh tcfd d'kd i)fr e 347-62 fDoVy Áfr gDV;j jgh bl Ádkj n[kk tk; rk mit e LFkkuh; i)fr dh ryuk e 1-29 Áfr"kr dh c<krjh nt dh x;hA Án"ku e yxkb fdLe d vf/kd HkMkj.k {kerk o mit e fgrxkgh d'kdk dk miyC/k djok;k x;k mUur fdLe dk cht] lelkef;d

Rkkfydk 1: d'kd i)fr ,o Án"ku e "kkfey rduhd ç.kkfy;k dk fooj.kA

Øe l[;k	Ápkyu	d'kd i)fr	Án"ku rduhd
1-	Á;kx dh tku okyh fdLe	LFkkuh;@Lo; }kjk r;kj fd;k cht	mUur"khy çtkfr ¼ ,u-,p-vkj-Mh-,Q jM&3
2-	cht mipkj	dkb cht mipkj ugh	VkbdkMek 6 xke@cht
3-	ik/k"kkyk dk rjhdk	lery D;kjh e vFkok lh/k cht dh cokb	tehu l 15&20 leh- mBh D;kfj;k e ik/k dh r;kjh
4-	cht nj@gDV;j	13&15 fdykxke	10 fdykxke
5-	cht cvkb dk rjhdk	fNVdok fof/k }kjk	ykbu fof/k }kjk
6-	mojdk dk mi;kx	mojdk dk vlrfyr Á;kx	mojdk dk lrfyr Á;kx
7-	flpkb Ác/ku	[knkb rd	[knkb d 15&20 fnu io rd
8-	HkMkj.k	vufpr rjhd l HkMkj.k	oKkfud rjhd l goknkj ?kj e HkMkj.k

rkfydk 2: l;kt dh mit o vU; y{k.kk ij fdLe dk çHkkoA

ik|kfxdh fodYi	Án"kuk dk {k=Qy	Án"kuk dh l[;k	Vh-,l-,l ¼Áfr"kr e½	vklr HkMkj.k {kerk ¼efgu e½	mit ¼fDo@g-½
d'kd i)fr	4-8	16	7-9	2&3	343-20
Án"ku	4-8	16	13-1	5&6	347-62

rkfydk 3: l;kt d vkfFkd ekinMk ij fdLe dk çHkkoA

ik|kfxdh fodYi	vkfFkd fo"y'k.k ¼:-@g½			
	mRiknu ykxr	ldy vk;	"k) çfrQy	ykHk % ykxr vuikr
d'kd i)fr	75250	137280	62030	1-90
Án"ku	82500	243334	160834	2-34
Án"ku e vfrfjDr	7250	106054	98804	&

lykg o Án"ku vk;ktu l io fn;k x;k rduhdh Áf"k{k.k bR;kfn Áe[k dkjd jgA ykoM ,o f=ikBh ¼2019½ d fdLek dh HkMkj.k {kerk] thukVkbi] d'k.k fØ;k; ,o HkMkj.k d nkjku cuk, j[k tku oky okrkoj.k ij fuHkj djrh gA bud vulkj fdLe dh thukVkbi] cokb dk ekle] mojdk dh ek=k o flpkb] [knkb mijkr Ác/ku bR;kfn HkMkj.k dk ÁHkkfor dju oky Áe[k dkjd g] bl Ádkj d fu'd'k fdUn;k ,o lkFkh ¼2020½ }kjk Hkh l;kt e ÁLrr fd; x; FkA

rkfydk&3 dk vkfFkd fo"y'k.k dju l Kkr gkrk g fd Án"kuk l Áklr ldy vk;] "k) çfrQy rFkk ykHk % ykxr vuikr d'kd i)fr l vf/kd Áklr gvkA Án"kuk dh vklr ldy vk; 2]43]334 :-@g- jgh ftll 1]60]834 :-@g- dk "k) çfrQy Áklr gvk ,o ykHk % ykxr vuikr 2-34 jgkA blh rjg ;fn d'kd i)fr l Áklr vkdMk ij utj Mkyr g rk Kkr gkrk g fd bll d'kd dk Áfr gDV;j {k=Qy d fglkc l 1]37]280 :i; dh ldy vk; gb ftll mldk 'k) eukQk doy 62]030 :i;@g- jgk lkFk gh ykHk % ykxr vuikr Hkh 1-90 gh jgk tkfd Án"kuk dh ryuk e dkQh de jgkA bldk e[; dkj.k LFkkuh; fdLe dh de HkMkj.k {kerk d dkj.k fdlku viuh mit dk vf/kd le; rd HkMkfjr u dj iku d dkj.k ckt kj e ml le; ektn njk gh cp nuk g tcfd mUu"khy fdLe dk HkMkj.k djd tc ckt kj e eY; vf/kd feyrk g ml le; mldk cpdj vf/kd eukQk y ldrk gA "kek ,o "kDyk ¼2016½ }kjk fd; x; lo Hkh bu ifj.kkek dh if'V djr g] bUgku lhdj fty e fd; viu v/;;u e ik;k fd ,l fdlku tkl;kt dk 6 efgu rd HkMkj djd flrEcj efgu d ckn tc Hkkok e of) gk tkrh g ml le; cprk g rk mldk lokf/kd ykHk fey ikrk gA

fu'd'k

ÁLrr v/;;u d ifj.kke l ;g fu'd'k fudyrk g fd l;kt tkfd ,d egRoi.k uxnh Qly g dk fdlku mfpr HkMkj.k 0;oLFkk djd ckt kj e cp rk mll vPNk eukQk fy;k tk ldrk gA n"k e vf/kdrj d'kd l;kt dh Qly jch d ekle e gh yr g ftld dkj.k l;kt dh vkod vçy l tu rd vf/kd jgrh g pfd miyC/krk vkj vkifr nkuk gh vf/kd gku l ml le; Hkkok e fxjkoV vk tkrh g ;fn fdlku mfpr HkMkj.k {kerk okyh fdLe dk p;u djd mldk dN le; rd lxg.k d i"pkr tc vkifr de gku yx o ckt kj e Hkko vf/kd feyu yx yk, ml le; cp rk vPNk Qk;nk fy;k tk ldrk gA

lnHk

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