



—f'k l epk; dsfy, Hkjrh; —f'k vuđ aku ifj'kn~dsfMftVy uokpkj%
,d fogxkoy®du

jkefuokl "kel eukt dekj frokjh

l k j křk

i'VMe%vkt dk ; ɤ@le; fMftVy ; ɤ@le; gA bl y[k eaHkkjr; -f'k vuɔ ɔkku ifj'kn ½CAR½ }kjk -f'k vɔs
-f'k f'k{s k ds {k= eadh xbz fMftVy igyka dsc k jseacr; k x; k gA

fof/k: ~~fa~~Hkkjrh; -f'k vuđ ɔkku ifj'kn ¼CAR½ ijsn'sk eackxokuh] eRL; ikyu vls i "kfoKku l fgr -f'k eavvuđ ɔkku vls f'k[kk dsl elo:] ekxh"ku vls ɕɔku dsfy, "kh'kzfudk; gA , d oɕl kbV fd l h Hkh l xBu ; k fd l h fMftVy igy dh , d byDV,fud l puk nhokj gA ; g yɕ[k vkb] h, vkj] ubZfnYyh dh fofHku fMftVy igy*ka* i j ɕdk" k Mkyrk gA

ifj. ~~We~~Hkkjrh; -f'k vuđ ɔkku ifj'kn ¼CAR½ us -f'k eamPp f'k[kk eamR- 'Vrk dks c<kok nusea , d ɕeɕk Hkfedk fuHkkbz gA orɛku yɕk eaHkkjrh; -f'k vuđ ɔkku ifj'kn ¼CAR½ lsl ɕf/kr fMftVy igy*ka* i j ppkz dh xbz gA

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Digital Initiatives of Indian Council of Agricultural Research for the Agricultural Community: An Overview

Ramnivas Sharma¹, Manoj Kumar Tiwari²

10.18805/BKAP611

ABSTRACT

Background: Today's age/time is the Digital age/time. The digital initiatives made by the Indian Council of Agricultural Research (ICAR) in the field of agriculture and agriculture education have been explained in this article.

Methods: The Indian Council of Agricultural Research (ICAR) is the apex body for co-ordinating, guiding and managing research and education in agriculture including horticulture, fisheries and animal sciences in the entire country. A website is an electronic information wall of any organization or any digital initiative. This paper highlights the various digital initiatives of ICAR, New Delhi

Result: Indian Council of Agricultural Research (ICAR) has played a major role in promoting excellence in higher education in agriculture. The present article discusses and highlights ICAR-related digital initiatives.

Key words: Digital Initiatives, Digitization and Preservation, Indian Council of Agricultural Research, Open Access Institutional Repository.

ifjp;

vkt l p^uuk çks| kfxdh usekuo thou dsçR; d {ks= dks
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eqkfo | ky; ka ds fodkl ds fy, dbZ fMf t Vy uokpkj ka dks

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"Kkf.kd l LFkkuka dk l Hkh Lrjka ij fodkl Hkh fd; kA

Hkkjr nfu; k Hkj ea—f'k {ks= ea ced[k f[kykmf; ka ea l s , d gsvls ; g Hkkjr dh yxHkx 58 cfr"kr vkcknh dsfy, vktfodk dk ckFkfed l kr gA ¼ndia Brand Equity Foundation½ Hkkjr ea—f'k {ks= nfu; k ea nh jh l cl sclMh—f'k Hkie dk fj d,MZj[krk gS tksnk dh yxHkx vk/kh vkcknh ds fy, jkstxkj iSk djrk gA bl cdkj] fd l ku gea thfodk ds l k/ku cnu ku dju dsfy, {ks= dk , d vfhkuu va cu tkrs gA Hkkjrh; —f'k vuq dku i fj'kn ¼vkb h, vkj½ Hkkjr ea—f'k vls l c) foKku ds {ks= ea vuq dku vls f'k{k ds l elo;] ekxh"ku vls cdku dsfy, "kh'kzfudk; gA ¼CAR½ —f'k mRi kn drk dks b'Vre Lrj rd c<kus ds fy,] Kku dh igpp dh cfD; k earsth ykus dsfy, vls —'kd l enk; ds chp Kku dh [kbbz dks i kVus ds fy, cgr egRo i wkZ dk; ZHkkjrh; —f'k vuq dku i fj'kn dj jgk gA Kku Økar dsorEku ; q ea fd l h Hkh l aBu dsfy, Lo; a dks cfrLi /khz vls dky cuk, j[kus dsfy, Kku dk l ag] l aBu] dCt[k l j {k.k vls i p%mi ; kx vko"; d gks x; k gA Hkkjrh; —f'k vuq dku i fj'kn usvks u , DI d i,fyl h ds l kFk fMftVy fji kStVjh dsfy, , d uhr fodf l r dh gStksfodaeh—r cdku ea l kexh dk l dyu vls fuek.kZ ds l kFk jk'Vh; —f'k vuq dku vls f'k{k ç.kkyh ¼ u, vkj b, l ½ dh vko"; drk dks i jk dj l drh gA bl vkys[k ea Hkkjrh; —f'k vuq dku i fj'kn ds dñ ced[k uokpkj ka dks foLrkj l s l e>k; k x; k gA

Open Access
Institutional Repository

Hkkjrh; –f'k vuq̄ ḁkku ifj'kn usijjsjk'Vh; –f'k vuq̄ ḁkku vḁḁ
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; g uḁfr Hkkjrh; –f'k vuq̄ ḁkku ifj'kn dsek/; e l s Hkkjrh;
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2014½ bl vḁḁ u , DI ḁ uḁfr dseḁ; f̄c̄nqbl ḁdkj ḡḁ
Ü Hkkjrh; –f'k vuq̄ ḁkku ifj'kn ds v̄x̄x̄z v̄kus oky k
çR; ḁ l ḁ f̄kku , d vḁḁ u , DI ḁ b̄ḁVḁV̄i w̄kuy f̄j i k̄stV̄jh
LFkkfir d̄isckA

0 Hkkjr; -f'k vuq akku ifj'kn ,d dha; l dyu
 1/2 Central Harvester 1/2 dh LFkki uk djsk t' Hkkjr;
 -f'k vuq akku ifj'kn ds fofHkuk l LFkkuk ds Kku d'
 0; ofLFkr djskA

0 I Hkh e3/kM3/k vks I 1.Fkkxr HkA/kjka dh vU; tkudkjH
 HkjrH; -f'k vuq dku ifj'kn ead,iHjkbV dsl kFk I jf'kr gA
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 dgkf; k d LVMh okf'kd fj i k/ U; utyS/j] iSQyS/
 cks'j] cySvU I kjk'k dk I kjk'k i wkz i fj; kst uk, Hk'k.k
 vks vU; xs l fqr; ¼A

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vkfn ij l k>k djusdsfy) çkRl kfrg fd; k tkrk gA
Ü Hkkjrh; –f'k vuq dıkkı ifj'kn ds l Hkh l 1Fkkuka; k vU;
txgka ij dke dj jgs Hkkjrh; –f'k vuq dıkkı ifj'kn ds
oKkfudka vls vU; "kkk dfez ka dks vi us "kkk dk; Z dks
çdkf"kr djusdsfy, çkRl kfrg fd; k tkrk gA l 1Fkkxr
fjikstVjh eaLo; &l xq dh vuęfr nrs gA

0 l a w k ; k v k a " k d : i l s H k k j r h ; - f ' k v u d a k k u i f j ' k n
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 d , i h j k b V l e > k s i j g L r k { k j d j r s l e ; v k b a h , v k j d h
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v k i u , D l d f j i k s t V j h e a t e k f d ; k t k u k v f u o k ; Z g x k A
v k i u , D l d d s e k / ; e l s m u d k e q j r v c f r c a / k r m i ; k s x
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Ü Hkkj rh; -f'k vuq ðku i fj'kn }kjk çdkf''kr l Hkh i f=dkvka
dks vksi u , DI d dj fn; k x; k q\$ vkfnA

Digitization and Preservation 1/2

bl ea fu; kst u] l a k/ku vk a/ u] v kš l j {k.k fof/k; ka v kš
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 foQyrk v kš rd uhdh ifjorž dh p u k š r; ka dh ijokg
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 igp l fu f"pr dju ds fy, uhfr; kš j .kuhfr; ka v kš dk; kš
 dks tkMfrh gš fMftVy l j {k.k dk y{; l e; ds l kFk
 çefr.kr l kexh dk l vhd çfri knu gš rhu ewHkr l j {k.k

j.kulfr; k; g% mTTkhau ½Refreshment½ çot u ½Migration½ v% vuþj.k ½Emulation½ bu -f'Vdkskka dks fMftVy oLrq/ka dh v[kM/rk dks cuk, j[kus v% yxrkj cnyrh çkS] k%xdh dsl keusmi; k%drkZ/kadksi p%çkZr djuþ çnf"kr djuv% mudk mi; kx djuv% dh {kerk cuk, j[kus ds fy, fMtkbu fd; k x; k g%

fMftVkbts'ku i k j a f j d] , uky, x l kexh t s s f d r k c b u d "k s v % v l ; i s j v k b V e d k b y D V f u d f M f t V y d , i h e a : i k r j . k g % f M f t V y l j { k . k l H k h f M f t V y l k e f x z k a d k l j { k . k g % p k g s o s f M f t V y i h k g q g l k t s s b e y] o c l k b V] o h f M ; k s x e j v % v l ; b y D V f u d Q k b y ; k D ; k m l g a , u k y , x l k e x h ½ d , u o s 2010½ l s f M t h V y f d ; k x ; k g % f M f t V y h d j . k v % l j { k . k e a l p u k d h v l h e : i l s i f j o r u " k h y ç - f r d k s l j f { k r f d ; k t k r k g % f M f t V y n f u ; k , d f } v k / k j h n f u ; k g % v k o " ; d g k M b s j v % l , ½ V o s j d h l g k ; r k l s f M f t V y l k e x h d s : i k r j . k v % f u e k z k d s f y , f M f t V y l k e x h c u k u s v % m u d h i p % ç k Z r d s f y , ç F k k v k a d h v k o " ; d r k g k r h g % f M f t V y h d j . k d s y k h k f u E u k u d k j g %

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0 d a ; w j g k M b s j v % l , ½ V o s j d h v k o " ; d r k a

0 r s t h l s c n y r s f M f t V y ç k S] k % x d h i f j o s ' k e a v k a d M i a d k r k t k v % L F k k u k a f j r d j u s d s f y , l f o ; e k u o h ; g L r { k i d h v k o " ; d r k j v k f n a

I kexh , oai jh{k.k fof/k

, d o c l k b V f d l h H k h l a B u ; k f d l h f M f t V y i g y d h , d b y D V f u d l p u k n h o k j g % ; g y % k v k b a h , v k j] u b z f n Y y h d h f o f H k u f M f t V y i g y k a i j ç d k " k M k y r k g %

Hkjr ljdkj ds fMftVy uokpj ½Digital Initiatives of Government of India½

Hkjr ljdkj vi usukxfj dka d s m l e y u v % v k f k Z d f o d k l d s f y , j k s t x k j] H k k s t u j i k u h j f c t y h j j y & l M e l v k f n m i y c / k d j k u s d s f y , d M l e s g u r d j j g h g % ; g - f ' k

f o d k l d h i p % F k k i u k v % , f r g k f l d x k s o d s f y , H k h g j l H k o d k e @ ç ; k l d j j g k g % f d l k u k a d k s l " k ä c u k u k H k k j r l j d k j d s o f) v % f o d k l d s e g R o i w k z ; k s c n k u k a e a l s , d g % f M f t V y r d u h d h e n n l s g h b l ç d k j d s ç ; k l " a d " e a r Z : i f n ; k t k l d r k g % f d l k u k a d k s e g R o i w k z t k u d k j h @ l p u k d s c l k j e a c k S] k % x f d ; k a e g R R o i w k z H k f e d k f u H k k r h g % Q l y i s u j m P p m i t o k y s c h t] f e e h i j h { k . k m o j d v u ç ; k x] i k S k j k x d h v ç c a k u] f o i . k u v % v l ; - f ' k i g y p k a l s l a d / k r t k u d k j h @ l p u k v k l k u h l s c k l r d h t k l d r h g %

2015 e j H k k j r l j d k j u s f M f t V y b a M ; k d k ; D e d s r g r f M f t V y v % f M f t V y l k { k j r k d s f y , f M f t V y c f u ; k n h < k p k r s k j d j u k " k q f d ; k a ½Digital India½ f M f t V y b a M ; k , d ç e d k v % K k u v k / k f j r v F k ; o L F k k g % b l d k ; D e d s r g r H k k j r e a f d l k u k a d s f y , f M f t V y t k u d k j h i j v k / k f j r f o f H k u i f j ; k s t u k , a " k q d h x A g % t s } v k i u M k V k ½Open Data½ e n k L o k L F ; d k M Z ½Soil Health Card½ , e f d l k u ½Farmer½ f d l k u i k S y ½Farmer Portal½ - f ' k c k t k j , i ½Agrimarket app½ v k f n f d l k u " a d s f y , y , l p f d , x , g % v l ; d k ; D e t s } f d l k u l p o / k k ½KisanSuvidha½ b & i u k - f ' k ½e-PusaKrishi½ , x b , l k ½AgriApp½ - f ' k K k u ½KrishiGyan½ , x k s i h f M ; k ½agropedia½ b & - f ' k ½e-Krishi½ b & p k s k y ½e-chaopai½ v k f n g s ½ p = 1½

ifj. ke , oafoopu

fMftVy b a M ; k v % - f ' k { k s ½Digital India and Agriculture Sector½

y % k e a v k b a h , v k j l s l a d / k r f M f t V y i g y k a i j p p k z d h x b z g % f M f t V y b a M ; k 2 t y k b z 2015 d k s ç / k k u e a h j k j k " k q f d ; k x ; k F k k a ½Digital India½ f M f t V y b a M ; k d k ; D e d s r g r l j d k j j k j k " k q f d , x , d n e g R o i w k z ç k S] k % x d h d k ; D e f u E u f y f [k r g %

- f ' k e a j k V h ; b & x o u a ; k s t u k ½National e-Governance Plan in Agriculture- NeGP-A½

H k k j r l j d k j - f ' k e a j k V h ; b & x o u a ; k s t u k ¼ u b z t h i h & , ½ d k s i j s n s k e a y k x w d j j g h g % f t l d k m i s ; f d l k u k a d k s c h t] m o j d k a d s c k j s e a e q r t k u d k j h ç n k u d j u k g % d h V u k " k d] l j d k j h ; k s t u k , i e n k L o k L F ;] Q l y ç c a k u] - f ' k e " k h u j h j e R L ; v k n k u] f l p k b z c f u ; k n h < k p k j e k s e v % - f ' k m R i k n k a d k f o i . k u ½ p = 2½

fdl ku iky Kisan Portal

fdl ku iky fdl kukadsfy, ou&LV,i&"k,i gsvk —f'k] cxxokuh] eRL; ikyu vk i "kiky t s—f'k vFk; oLFk ds pkj egroiwkz Lrkk ij tkudkj "kkfey djrk gA fdl ku fofHku fo'k; ka ij çkl ãxd tkudkj çklr dj l drsg t s scht] mojd] dhVuk"kd] ØSMV] xMl çSDVI] Mhyj uvod] bui, , xk&eV] Mokbtjh vkfn fp= 3/A

,e fdl ku Kisan

,e fdl ku iky 16 tykbZ2013 dksy,lp fd; k x; k FkA ; g iky —f'k vk l e) {k—kadseckby vk/kfjr uokpkj" a dks lekfr dj l fo/kk çnku dj jgk gA ; g , l , e, l ¼qk vk i y nskk bVj]fDVo o; l fjLid fl Lve vk Mv/ dh vuLVdpMZ l lyheVh l foZ ¼q l , l Mh½ dks, d l kFk ykrk gA ; g iky —f'k vk l e) {k—kaeal Hkh dæ



fp= 1%fmftVy bām; k vk —f'k {k=A



fp= 2%—f'k eajk'Vh; b&xou ; kstukA



fp= 3%fdl ku ikyA

fdl ku d,y l vj ½Kisan Call Centre½

x\o} d,y ckt k] o,; l ey fl Lve vkfn ds l kfk vf/kd
i'køj gsf p= 5/A

fɒl kʊ l ʃo/kk , ʃ dksɪkp egRoɪwZekɪnMks&ks e] buɪv
Mhyjɪk ɔktkj eɪ;] i kkskɔdh l ʃ kks vks fo"kskK -f'k&l ykɔ
dskjseɪtkudkj ɔnku dʒusɔsfy, y,lɒp fɔ; k x; k gS
1/p= 6/A



QI y chek ,i

fdl kuka dks igys dh rnyuk earsth l s chek l ok, a çnku djusds mîs; l s t w 2015 ea QI y chek i k v y y, l p fd; k x; k %p= 7% A

, xhekdl / , i

bl , i dk mi; k fMokbl ykd ku ds 50 fdykehVj ds Hkhrj cktkj ea QI yka dk cktkj eW; çlkr djusdsfy, fd; k tk l drk gA ; g , i ekakby thih, l dk mi; k djus okys 0; fä; ka ds LFku dks Lopkfyr : i l s d spj djrk gS vks fdl kuka 0; ki kfj; k foLrkj dk; ZdrkZk "kkskdrkZ/ka vks uhfr fuekZkvkadsfy, cgr Qk; nen gS %p= 8% A

enk LokLF; dMz % Soil Health Card %

i k v y dk mîs; vkbZ h, vkj jkjk fodfl r enk ijh{k.k&QI y çfrfØ; k % l Vhl hvkj % QkeZys ; k jkT; l jdkj jkjk çnku dh xbZ l keku; mojd fl Qkfj "kka ds vk/kkj ij Lopkfyr : i l senk LokLF; dMzmRIUu djuk gS %p= 9% A

mojd xqkoÜkk fu; æ.k ç.kkyh % Fertilizer Quality Control System %

mojd xqkoÜkk fu; æ.k ç.kkyh % Fertilizer Quality Control System % i k v y , d oc&vk/kkfjr vks fol; kl ; k; odjlyks , flyds'ku gSft l smojd uenuk l xgj ijh{k.k vks fo"ysk.k fj i k v Zr\$ kj djusdsfy, fodfl r fd; k x; k gS %p= 10% A

i k v l i v jh xkj v h fl Lve&bM; k % hth, l % i k v y

i hth, l bM; k i k v y , d oc&vk/kkfjr , flyds'ku gS tks Nks vks l hekar fdl kuka dks t sod çek.khdj.k ç.kkyh rd vkl ku igp çnku djrk gS %p= 11% A

Hkjr; jkVh; Ñf'k vuq ðku , oaf"kk ç.kkyh % Indian National Agricultural Research and Education System % ds "kkskdrkZ/ka dsfy, miyC/k fmftVy l i k v

—f'kdsk % Krishikosh %

—f'kdsk , d , d k çkstDV gSft l s Hkjr; jkVh; Ñf'k vuq ðku , oaf"kk ç.kkyh % Indian National Agricultural Research and Education System % us —f'k foKku ds "kksk çcaKka dks, d LFku ij fmftVy Lo: lk ea, df=r djusds



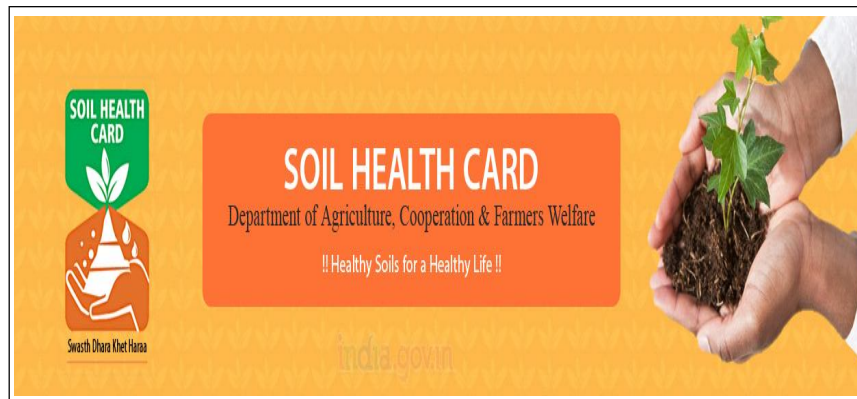
fp= 7% QI y chek , i A



fp= 8%, xhekdl / , i A

fy, r\$ kj fd;k FkkA bl fMftVy fu{ki xkj ½Digital Repository½ dh enn l sfo"ofo |ky; d d d 2106 "kksk çca kka ½M.Sc./Ph.D.½ dks fMftVy Lo#i ea l xgr fd;k tk pdk gA —f'kdks'k dh enn l sNk=@Nk=k, a dgh ij Hkh "kksk çca kka ½M.Sc./Ph.D.½ vkfn dks vkl kuh l sn[k dj vius "kksk dk; Z dks i wkZ dj l drs gA bl çkstDV dk ekbkby , flyds'ku Hkh mi yC/k gSft l sNk=@Nk=k, avius ekbkby ds lysLV'j ea tkdj y'M dj l drs gA l {ke

çkf/kdkjh }kjk ; g r; fd;k x;k gSfd bl HkMkj dsrgr vkbVe dgy n"kd ½viewer½ ean[k tk l drk g\$ y\$du MkmuykM ugha fd;k tk l drk gA bu l kefxz ka dh çkef.kdrkj çkl fxdrkj l Vhdrkj d,i hjkbV vk\$ vkbZ hvkj eq ka dh ftEenkjh l cB/kr l xBuka ds ikl g\$ tgka l s l kexh çkr dh tkrh gA bu l kefxz ka dsfy, —f'kdks'k fu{ki xkj dh dkbZ ftEenkjh ; k nkf; Ro ugha gA bl fu{ki xkj dks cuk, j[kus vk\$ vfire mi ; kxdrkZ/ka rd



fp= 9%enk LokLF; dKMA



fp= 10%moj d xq koUkk fu; æ.k ç.kkyhA



fp= 11%ikvZI iVjh xkjdh fl LVe&bAM; k ½hth, l ½ i kZyA

vkI kuh l sigpusdsfy, gj l lko ç; kl fd; k tkrk gA
 —f'kdks'k dk çed'k mī's; ngy'k i'rdka vks' igkuh
 if=dkvkl fgr egRoiwZ l fFkxr çdk"kuadk, d fMftVy
 l fFkxr fu{ki kxkj cukuk vks' mlgahHkjr; jk'Vh; Nf'k
 vuq' dkuu, oa f'k{kk ç.kkyh Indian National Agricultural
 Research and Education System½ dsrgr [kyyh igp' cukuk
 gA b&x'k E-Granth½ dsrgr —f'kdks'k dsdk; kko; u ds
 fy, l j{k.k ds l kFk&l kFk igp' ea l qk'j dh vko"; drk
 gA Hkjd en fMftVy LVkjst vks', d d'qy, dh—r
 l kexh çcalku ç.kkyh Integrated Content Management
 System- ICMA½ cukusdsfy, l vko"; drkvk dks ijk djus
 dsfy, , d vki u&l kd l l, fVos j MhLid dks l euq i
 fd; k x; k gA

, dh—r jk'Vh; —f'k l d kku l puk ç.kkyh Integrated National Agricultural Resources Information System½

INARIS dks jk'Vh; —f'k çkS' kSxdh ifj; kstuk National
 Agricultural Technology Project½ dsrgr, d mi& ifj; kstuk
 ds: i eafy; k x; k FkA bl ifj; kstuk dk y{; fofHku
 fo'k; kaij —f'k l d k'kuavks' Mv'kd dsyphsdaeh; Mv'k
 os jgkml Central Data Warehouse½ dks fMtkbu vks' fodfl r
 djuk FkA bl ifj; kstuk dsrgr fodfl r l puk ç.kkyh
 vks' fu.kZ l eFkZ ç.kky; kadsyf{kr mi; kxdrk'z vuq' dkuu
 çcalkd] vuq' dkuu oKkfud vks' l kekl; mi; kxdrk'z gA

pkey Kku çcalku iksy' Rice Knowledge Management Portal½

pkey Kku çcalku iksy' ubZ l puk vks' eckby çkS' kSxdh
 dk mi; kx djds pkey ds Kku dks l k>k djus dsfy,
 , d rduhdh jktekxZ gA; g —f'k xfrfof/k; kaedke dj
 jgs fofHkxla dks folrkj l ykgdkj l okvka ds ek;/ e l s
 l okke l lko rjhdsl sfdl kukaard igpuseaenn djrk
 gA

, xh&Hkjr; —f'k vuq' dkuu dsfy, fMftVy çl kj ç.kkyh Agroweb-Digital Dissemination System for Indian Agricultural Research- ADDSIAR½

Hkjr eajk'Vh; —f'k vuq' dkuu vks' f'k{kk ç.kkyh dsckjsea
 l Hkh tkudkj çlkr djus dsfy, , d gh LFkku ij dk; Z
 djus dsfy, vkbZ h, vkj l fFkka dsfy, , d l kekl;
 ço" k }kj cukusdk ç; kl fd; k x; k FkA rnuq' kj] ADDSIAR
 dh dYi uk 0; ki d mī's; ds l kFk dh xbZ Fk rikfd os l kbVka
 dks vf/kd xfr"thy cukdj vks' vkbZ h, vkj dh, d ckM

Nfo fodfl r djds viuh os l kbVkadsek;/ e l svkbZ h, vkj
 vks' bl ds l fFkka dh os mifLFkr ea l qk'j fd; k tk
 l dA

, xh hM; k Agropedia½

, xh hM; k —f'k {ks= ea fMftVy l kexh l xBu dk, d
 0; ki d vks', dh—r e, My gA bl dk mī's; ekstmk —f'k
 folrkj ç.kkyh dk ykhk mBkus ds ç; kl ds l kFk, d
 vkbZ hVh&e;/ LFkrk Kku ds ek;/ e l s vH; kl ds, d
 l epk; dks, d l kFk yuk gA, xh hM; k ds ek;/ e l s
 fd l kuka dks tM, oamuds Kku dks l e) fd; k tk jgk gA

ICT4D bVjQd iKwZ l Z

Hkjr eav/k&"k'd m'.kdfVcalk; dsfy, vrjkZVh; Ql y
 vuq' dkuu l fFkku International Crops Research Institute
 for the Semi-Arid Tropics- ICRISAT½ viuh VASAT ifj; kstuk
 vks' jk'Vh; —f'k vuq' dkuu çcalku vdkneh National Acad-
 emy of Agricultural Research Management- NAARM½ ds l kFk
 —f'k vuq' dkuu oKkfudk' f'k{kdavks' ICT4D vfhkur'kvk ds
 fy, l fo/kk l gk; rk çnku djskA vkbZ hvkjvkb, l, Vh
 dā kVZ e yHMj gS ftl dsikl vkmVi' vks' fMfyojçYl
 dsfy, l exzftEenkfj; ka gA

fMftVy —f'k ; k, ubZhih&, 2-0

—f'k 2-0 fMftVy —f'k ekstmk —f'k, ubZhih 1-0 dk
 folrkj igysdsç; kl kadksetar djuk gA fMftVy —f'k
 2-0 ds dñ çed'k ?kVd i "kq'kyu] Mš jh] eRL; ikyu vks'
 Hkjr; —f'k vuq' dkuu ifj'kn dsfy, bl dk folrkj gA
 fMftVy —f'k 2-0 dsrgr igpkus tkus okys dñ çed'k
 {ks= gS jh; y&Vkb eV; tkudkj] fufofV; kadk v,uykbu
 vkn'sk] eckby cida ds l kFk v,uykbu udn __.k jgr
 HkqrkuA

fu'd'kZ

vkt dk; ç k l puk çkS' kSxdh dk; ç gA bl us0; fDr ds
 thou dsçR; d igyqdkSçHkkr fd; k gA l puk çkS' kSxdh
 usgekjh —f'k dks Hkh çHkkr fd; kA bl dh enn l sfdl kuka
 dh vkt hfodk, oa mRi kn drk vkfn l Hkh dh onf'k gA
 Hkjr; —f'k vuq' dkuu ifj'kn—f'k f'k{kk] folrkj, oa
 vuq' dkuu dk, d egRoiwZ l fFkku gA vkt ds; ç dks
 fMftVy; ç dsuke l stuk tkrk gA bl; ç us thou
 ds l Hkh {ks= kadkSçHkkr fd; kA vkt fd l kuka dks mudh —f'k
 l s l fcf/kr tkudkj eckby Qku, oa bUVju' dh enn

l şçlŕ gksjgh gŕ fMftVy uokpj us—f'k dks iŕkZ: lk l s ifjofrŕ dj fn; kA vkt fofHkUk çdkj dsb&i kŕy Hkkjr ea l pkfyr fd, tk jgs gŕ budh enn l s 0; fDr; ka dks tkudkjŕ de l s de l e; eavkl kuh l s ?kj cBsgh çklŕ gks tkrh gŕ bu i kŕy dk mi; kx dj fd l ku vkfn ykHkkfŕlor gks jgs gŕ

l nŕk

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