

# arv exR I Drcv`b cxwZ

Rice seed and its production technology



evsj vř`k arv Mřel Yv BbW÷wUDU (weř)  
MvRxcj|

# arv exR I Drcv`b c×WZ



i Pbv, Mšbv I mšuv`bvq  
W. tgv: Rvni aj Bmj vg, W. tgv: Bmj vg Dvii b tgvj u, W. tgv: dRj jy Bmj vg I tgv: kvrv`vZ trvřmb

Kvvi Mi x mrvqZvq  
veAvi řKve I qvviKš Mšc

Avv R mrvqZvq  
veAvi řKve-ve<sup>a</sup>GbGvUvc-veGAvi vřm Dc-cKí

cvi Kí bv, Mřel Yv I mveR ZĚjeavřb  
W. tgv: Bmj vg Dvii b tgvj u

WVRvBřb  
tgv: Avājy gvřvb



evsj vř`k arv Mřel Yv Bvii÷vUDU (ve), MvRxcjy|



# avb exR I Drcv`b c×WZ

## 1. fvgKv

Lvt` " " q` Zv AR`bi Rb` dmtj i Drcv`b eW×B GKgvĠ Dciq| Avi dmj Drcv`b eW×i gj- DcKiY n`"0 gvb m`úba Dbz gvtbi exR| evsj vt` tk fij exRi e`envi AZ`ŠAcZž | Kvi Ymi Kwi Ges temi Kwi chġq fij exRi Drcv`b I weZi fYi cwi gvY cġqvR`bi Zjybvq LgB Kg| t`tki tgvU exR Pwn`vi gvĠ 20% Dbz gvtbi exR mi Kwi Ges temi Kwi chġq mi ei vn Kti \_vtK| GQvor Pwi chġqI fij exRi e`envi i , iazj e`vcKfvte MhYxq nqub|

eZġv`b cġq 95% KI.KB ub`Ri Drcv` Z exR Ōvi vB ub`Ri Pwn`v ci-Y Kti \_vtKb| ev`te G exR , YMZ I gvb m`úba bġq weavq Zv e`envi Kti Awak dj b jvf GtKer`ti B Am`e| mvari YZ, Kġtki i WġZ exR avbB exR mi ei vni c`vb Dm, Zte temki fM KI.KB Zvt` i i WġZ exR e`j Kti bv Ges e`j Kivi e`e`v (Exchange program) bvB weavq A`bK t`ġġĠ exRi , YMZ gvb bŌ n`q hvq|

fij exR e`envi Ki tġ av`bi dj b kZKiv 10-15 fM temk cvl qv hvq| fij exR e`envi Kti GKw`tk thgb KI.KMY Aw`Rfvte j vfevb n`Z cv`ib, tZgub Ab`w`tk t`tki Lv` LvUwZ ci`fY Zv weivU fvgKv ivL`Z cv`i | ZvQvor exRi gvb Lvi v c nI qvi Kvi fY KI.KB cġqvR`bi Zjybvq temk cwi gvY exR e`envi Kti b weavq exR wmvte av`bi A`bK AcPq nq| fij exR e`envi i gva`tg G AcPq tiva Kiv m`e|



exR Drcv`b cġ, we`avb44

gvWchġq Dbz gvtbi exR Drcv` b i Kj vt`KŠkj Ges exR mšMh I msi ġġYi AvabK chġp I Av`bi AfveB Gi gj- Kvi Y| AZGe KI.K chġq Dbz gvtbi exR Drcv`b I ex`bi Dbz c×WZ Ges exR msi ġġYi AvabK Kj vt`KŠkj m`úK m`PZb n`q gvb m`úba exR e`envi i gva`tg Dtj L`thvM` nvti av`bi dj b eW× Kiv m`e|



fij exR



Lvi v c exR

## 2. fivj exRi ^eikó" mgr

ibtgDdtj mLZ Dcv`vb, wj fivj exRi j qYI ^eikó", thgb-

- cwi cý exR
- D¾aj eYp exR
- Kgc†¶ kZKi v 80wU exR MRvq
- `áz I tgvUvgw GKm†½ MRvq
- `vtZ KivU†j KUKU kã K†i
- exR Ab" Rv†Zi wgvj bvB
- exR tKvb `vM bvB
- exRi m†\_ Acý exR ev wPUv bvB
- exR M†Qi tKvb Astki wgvj bvB
- exR tcvKvi tKvb wQ`bvB
- ti vM-Rxevbyg exR
- exRi m†\_ AvKivvKiv exR bvB
- exRi m†\_ AvMvQvi exRi wgvj bvB|



fivj exR

mvi Yx-1 dj †b fivj exRi c†ve

μwgK	fivj exRi ^eikó"	c†ve
bs		
1.	wky exR	AvMvQv I Ab"vb" dmtj i MvQgý weavq AwaK wky exR Drcv`b nq
2.	D¾aj eYp exR	cwi c° Ges cý exRi dtj AwaK AsK†i vaMg ¶lgZv m=úbanq
3.	cwi cý exR	m†ZR I mej Pvi v Drcv`b K†i
4.	D"p AsK†i vaMg ¶lgZv	Kw"yZ msL"K Pvi v Drcv`b K†i
5.	`vM gý exR	mý'mej Pvi v Drcv`b nq
6.	Acý ev wPUv gý exR	mý'mej Pvi v Drcv`b nq
7.	tcvKv Øvi v wQ`gý exR	mý'mej AwaK Pvi v Drcv`b nq
8.	†i vM-Rxevbyg exR	mý'mej Pvi v Drcv`†bi gva"tg AwaK n†i gvbm=úbaexR c†vB N†U
9.	`vtZ KivU†j KUKU kã K†i	i Kiv†v exR weavq tcvKivKo I †i vMevj vB m†R ¶wZ Ki†Z cv†i bv
10.	Dc†iv³ ^eikó" wj i Rb"	YmZ gvbm=úbaAwaK cwi gv†Y Dbž exR cvl qv m=é
11.	gvbm=úbaefivj exR e"en†i	fivj Ges AwaK dmj Ges dj †bi wØqZv _v†K



# Øfivj exR fivj dmj Ó

### 3. exRi mβZv

cYRrebr k<sup>3</sup>m<sup>3</sup>uba (Viability) exR Askzi v` Mtgi mKj AbKj cwi tek cvl qv mEjl h<sup>3</sup> Askzi Z bv nq ev GK K<sub>vq</sub> Ngs<sup>3</sup>Ae<sup>-</sup>vq<sub>vK</sub> ZLb exRi GB<sup>-</sup>ewk<sup>3</sup> tK mβZv ej v nq | RvZ tft<sup>-</sup> mβZvi<sup>-</sup> vqxZKij 2-12 mβv | Avevi tKvb tKvb RvZi mβZv tgvUB tbB, thgb<sup>-</sup> vbxq AvDk avtbi RvZ | GB avb cvKv Ae<sup>-</sup>vq gv<sup>3</sup>v<sup>3</sup> tctj<sup>-</sup> ev Lj vq cvj v Ae<sup>-</sup>vqB exR Askzi Z ntq hvq |

#### exRi mβZvi DcKvi /AcKvi

- mβZvi dtj<sup>-</sup> ew<sup>3</sup>i w<sup>3</sup> tb ev wFRv Avenl qvq avb exR hLb gv<sup>3</sup>v<sub>vK</sub> ev Mv<sup>-</sup> v Kti i vLv nq ZLb Askij MRvq bv |
- Ac<sup>3</sup>i w<sup>3</sup> tK exR mβ Ae<sup>-</sup>vq<sub>vK</sub> avb KvUvi ci ci Zv exR wnmvte e<sup>-</sup>envi Kiv hvq bv |
- Avakvsk Ddkx avtbi RvZ<sub>tj</sub> v<sup>3</sup>tK<sup>0</sup> v<sup>3</sup> f<sup>3</sup>vte mβ exR<sup>0</sup> wnmvte MY<sup>-</sup> Kiv nq | Zte wAvi 26 Gi RvZ mβZv wnxb exR wvavq avb cvKvi mv<sup>-</sup> mv<sup>-</sup> Askzi vaMtgi vlgZv i v<sup>3</sup>L |

### 4. exRi mβZv fv<sup>3</sup>vi Dcvq

i Kt<sup>3</sup>bv exR Avevi 4-5 w<sup>3</sup> b ti v<sup>3</sup> (52° t<sup>3</sup>m<sup>3</sup>U t<sup>3</sup>M<sup>3</sup>) w<sup>3</sup> tj Avakvsk exRi mβZv tft<sup>3</sup> hvq | Zte Zie<sup>3</sup>mβ exRi mβZv fv<sup>3</sup> tZ 7-10 w<sup>3</sup> b mgqj v<sup>3</sup>M |

### 5. avb exRi Askzi v` Mg

Dch<sup>3</sup> cwi tek exRi a<sup>3</sup> t<sup>3</sup> t<sup>3</sup> th c<sup>3</sup>qvRbxq Ask Askzi Z I ewa<sup>3</sup> ntq GK<sup>3</sup>U<sup>-</sup> v<sup>3</sup>f<sup>3</sup>w<sup>3</sup>eK D<sup>3</sup>w<sup>3</sup>c<sup>3</sup> ev P<sup>3</sup>ri v m<sup>3</sup>o<sup>3</sup> Biw<sup>3</sup>MZ t<sup>3</sup> q Zv<sup>3</sup>tK Askzi v` Mg etj Ges exRi Askzi Z n<sup>3</sup>l qvi vlgZv<sup>3</sup> tK exRi Askzi v` Mg vlgZv etj |



Askzi Z exR

#### exR Askzi v` Mtgi c<sup>3</sup>qvRbxqZv

exR m<sup>3</sup>wKgvb eRvq Av<sup>3</sup>t<sup>3</sup>Q wKbv A<sup>-</sup>v<sup>3</sup> exR t<sup>3</sup> t<sup>3</sup> m<sup>3</sup>y<sup>3</sup> P<sup>3</sup>ri vi gva<sup>3</sup> t<sup>3</sup> v<sup>3</sup>f<sup>3</sup>w<sup>3</sup>eK M<sup>3</sup>t<sup>3</sup>Q cwi YZ nte wKbv Zv R<sup>3</sup>iv<sup>3</sup> Rb<sup>3</sup> Askzi v` Mg ci x<sup>3</sup>qv<sup>3</sup> Kiv nq | avb exRi t<sup>3</sup> t<sup>3</sup> A<sup>3</sup>SZ kZKiv 80 f<sup>3</sup>v<sup>3</sup>M ev Zvi tenk Askzi v` Mg vlgZv bv<sub>vK</sub> Zv<sup>3</sup>tK exR wnmvte MY<sup>-</sup> Kiv nq bv |

#### exR Askzi v` Mtgi AbKj cwi tek

m<sup>3</sup>y<sup>3</sup> v<sup>3</sup>f<sup>3</sup>w<sup>3</sup>eK a<sup>3</sup> Askzi Z n<sup>3</sup>l qvi Rb<sup>3</sup> c<sup>3</sup>qvRb cwi w<sup>3</sup>gZ cwi gv<sup>3</sup>Y cwb, evqy(A<sup>3</sup>v<sup>3</sup> tRb), Zvc I mβZv<sup>3</sup> exR |

#### exRi Askzi v` Mg nvi Rv<sup>3</sup>vi c<sup>3</sup>x<sup>3</sup>Z

w<sup>3</sup>t<sup>3</sup>g<sup>3</sup> e<sup>3</sup> B<sup>3</sup>U ci x<sup>3</sup>qv<sup>3</sup> gva<sup>3</sup> t<sup>3</sup> Av<sup>3</sup>Z mnt<sup>3</sup>R exRi Askzi v` Mg ci x<sup>3</sup>qv<sup>3</sup> Kiv hvq, thgb-

- exR ev<sup>-</sup> ev cv<sup>3</sup> c<sup>3</sup>x<sup>3</sup>Z- GK<sup>3</sup>U Kv<sup>3</sup>t<sup>3</sup>Vi ev c<sup>3</sup>w<sup>3</sup> ÷ K ev g<sup>3</sup>w<sup>3</sup>Ui cv<sup>3</sup> t<sup>3</sup> g<sup>3</sup>w<sup>3</sup>U f<sup>3</sup>ti Zvi g<sup>3</sup>ta<sup>3</sup> 24 N<sup>3</sup>Uv wFRv<sup>3</sup> t<sup>3</sup>bv 100<sup>3</sup>U exR j vBb Kti j v<sup>3</sup>M<sup>3</sup>t<sup>3</sup>Z nte | w<sup>3</sup>gv<sup>3</sup>b<sup>3</sup>v<sup>3</sup>qx 2-4 w<sup>3</sup> b ci 4<sup>3</sup>U b<sup>3</sup>gv<sup>3</sup> t<sup>3</sup> t<sup>3</sup> MRv<sup>3</sup> t<sup>3</sup>bv exR wnmve Kti Askzi v` Mg nvi tei Ki t<sup>3</sup>Z nte |
- v<sup>3</sup>bxq ev t<sup>3</sup> k<sup>3</sup>xq c<sup>3</sup>x<sup>3</sup>Z- g<sup>3</sup>w<sup>3</sup>Ui cv<sup>3</sup> t<sup>3</sup> ev t<sup>3</sup>FRv P<sup>3</sup>t<sup>3</sup>Ui g<sup>3</sup>ta<sup>3</sup> 24 N<sup>3</sup>Uv wFRv<sup>3</sup> t<sup>3</sup>bv 100<sup>3</sup>U avtbi exR ti t<sup>3</sup>L w<sup>3</sup> t<sup>3</sup>Z nte | Av<sup>3</sup>t<sup>3</sup>Mi gZ 2-4 w<sup>3</sup> b ci MRv<sup>3</sup> t<sup>3</sup>bv exR wnmve Kti Askzi v` Mg nvi tei Ki t<sup>3</sup>Z nte |



exR ev

ibtgwj mLZ di gjvi gva`tg AsKziv`Mg nvi ibY@Kiv hvq-

$$\text{extRi AsKziv`M} \ddot{t}\text{gi nvi} = \frac{\text{AsKzi Z extRi msL`v}}{\text{tgvU e`eüZ extRi msL`v}} \times 100$$

**AsKzi Z exR ev Pivi gj`vqb**

- exR RvM t`qvi 4-5 w` tbi gta` kZKiv KZ fivM exR MvRtqtQ , btZ nte Ges AsKziv`Mg nvi ibY@Kiv nte|
- wZxq evi 7-14 w` b cti Pivi gj`vqb Kti t` LtZ nte Pivi v`vfiveK b vA`vfiveK |

v`vfiveK Pivi vt th , tj v mY`mej Ges v`vfiveK |

A`vfiveK Pivi vt th , tj v vkKo wvxb , weKZ.Ges ti vMvsvs|



mY`mej Pivi



v`vfiveK Pivi

**6. exR avtbi tkYweb`vm**

exR Aa`vt`k (1977) Ges exR AvBb (1998) I extRi `enkó` Abjvqx th cKvi t`f` Kiv nq ZvtK extRi tkYweb`vm etj | exR Pivi cKvi t h\_v weWvi/cRbb/tgSj exR, wfvE/dvDtÜk exR, cZ`vqZ/mvUdvBW exR Ges gvb tNvml Z/wGj Gm exR| extRi wei xZv, Av`Zv, MRvtbri nvi, tivM I tcvKvgtKtoi Dcv`wZ, AvKvi Ges D3/4j Zvi Dci wfvE Kti G tkYweb`vm Kiv nq|

**weWvi exR/cRbb/tgSj exR**

tKvb cRbbwe` wbtR wKsev wbr`^Ejeavtb hLb tKvb RvtZi exR Drcv`bKti ZLb ZvtK cRbb exR ej v nq| mvavi YZ Riv D`webKvi x cÜZövb G extRi Drcv`bKvix| cRbb exR tKšij K msµvšiw` K t`k kZKiv GKkZ fivM wei x Ges cwi gv tY G t`Kevi Aí | GB exR wfvE extRi Drm wvmt`e e`eüZ nq| j vBtmY` cÜB Drcv`bKvi xMY G exR MhY Kiv tZ cvti b| GB extRi gvb wvqšY Ges cZ`qb D`w`c cRbbwe` Ges exR cZ`qb G t`RÝx (GmwmG) KZ` n`q\_v tK| G extRi U`vM Gi i0 meR|



weWvi exR avb

**wfvE/dvDtÜk exR**

mi vmi cRbb exR ea@ Kti wfvE exR %Zvi Kiv nq| wfvE exR tKšij KMZ w` K w` t`q wei x| GB extRi cwi gvYI L`tevk bq| mi Kvi Livgti, Mtel Yv Livgti, Kvl wekpe`vj q mgfn ev Kiv tKiv gv tV Mtel Yv mnKvi Ges exR cZ`qb ms`vi KgRZ` i mi vmi wvqšY wfvE exR Drcv`Z nq| j vBtmY` cÜB e`w3/cÜZövb G exR Drcv`b I weµq Kiv tZ cvti b| G extRi U`vM Gi i0 mv`v|





## 7. exR Drcv`b c×WZ

gvbm<sup>u</sup>bæxR tctZ ntj avb MvŕQi cŕqvRbxq Lv` Drcv`vb mieivn I Dchŕ cwi tētki thvMvb t`qv GKvš(cŕqvRb| avb PŕtI i Rb`h\_vmgŕq exR ecb I Pŕiv tivcY thgb Riavi tZgb mvi, tmP, KxUvbkK BZ`w` cŕqvŕMi Dchŕ mgq Ges cŕqvM wewai cŕZ j 9| ivLvI , iæZcY<sup>9</sup> exR avtbi fŕtj v dj b tctZ ntj RvZ wbevPb t\_ŕK avb KvUv chŕŕavi vevnK fŕte dmtj i mWk cwi Ph<sup>9</sup>Kŕi thŕZ nte| wbtgæxR Drcv`ŕbi avi vevnK wewi Y t`qv nj -

## 8. RvZ wbevPb

tgŕmg, AvenvI qv, Rwg I PŕtI i Ae`v, wbtRi cŕqvRb I evRvi Pwv`v Abŕvqx RvZ wbevPb Kiv GKvš Riavi | Kvi Y me RvZ me tgŕmg ev Ae`vi DcŕhMx bq| th RvŕZi avb th tgŕmŕgi Rb` DcŕhMx tm RvŕZi avb exR wntmte Drcv`b Kiv DvPZ| wbtgætgŕmg I Pŕivev` c×WZ tgvZŕteK Rbwcŕ RvZ wbevPŕbi Rb` GKwU QK cŕvb Kiv nj |

tgŕmg I Pŕivev` c×WZ	avtbi RvZ
tērtiv I tivcv AvDk	wAvi 1, wAvi 3, wAvi 14, wAvi 15, wAvi 16 I w <sup>a</sup> avb55
i ay tērtiv	wAvi 18, w <sup>a</sup> avb28, w <sup>a</sup> avb29, w <sup>a</sup> avb36, w <sup>a</sup> avb45, w <sup>a</sup> avb47, w <sup>a</sup> avb50 I w <sup>a</sup> avb58
i ay tērvv AvDk	wAvi 20, wAvi 21, wAvi 24, w <sup>a</sup> avb42 I w <sup>a</sup> avb43
tērvv I tivcv AvDk	w <sup>a</sup> avb27
i ay tivcv AvDk	wAvi 26 I w <sup>a</sup> avb48
tivcv Avgb	wAvi 11, wAvi 22, wAvi 23, w <sup>a</sup> avb32, w <sup>a</sup> avb33, w <sup>a</sup> avb34, w <sup>a</sup> avb37, w <sup>a</sup> avb38, w <sup>a</sup> avb39, w <sup>a</sup> avb40, w <sup>a</sup> avb41, w <sup>a</sup> avb44, w <sup>a</sup> avb46, w <sup>a</sup> avb49, w <sup>a</sup> avb51, w <sup>a</sup> avb52, w <sup>a</sup> avb53, w <sup>a</sup> avb54, w <sup>a</sup> avb56 I w <sup>a</sup> avb57

exR Drcv`ŕb fŕj dj b tctZ ntj tērvv tŕtq tivcY c×WZŕZB Pŕivev` Kiv DvPZ| GŕZ Avšcwi Ph<sup>9</sup>I wRvZxq MvQ evQvBŕqi Kiv mnR fŕte Kiv hvq|

## 9. exR evQvB

mŕ mej Pŕiv `Zwii Rb` tivMgŕ cwi<sup>9</sup>vi I cwi cŕy exR e`envi Kiv DvPZ| exRZj vq wPvthŕ exR eŕtj tivMvŕš wPvvi Rb` Pŕiv mnŕRB tivŕM AvŕŕšntZ cvŕi | GQvov cŕy exŕRi Afŕte tēk avb eŕtI chvŕ mSL`K Pŕiv cvI qv hvq bv| fŕj exR evQvBŕqi Rb` wbgewŕ c×WZ Abŕvi Y Kiv thŕZ cvŕi, thgb-



nvZ w`ŕq exR evQvB

`k wj Uvi cwi<sup>9</sup>vi cwbŕZ 375 Mŕg BDwv qv mvi wgvkŕq wbb| Gevi ZŕtZ 10 tKwR exR tQto nvZ w`ŕq tbtŕtŕto wbb| cŕy exR Wŕe wbtP Rgv nte Ges Acŕy nvj Kv exR tŕtm DVte| nvZ ev Pŕj wv w`ŕq fŕmgvb exR, ŕj v mwi ŕq ŕdj ŕj| fŕv x exR wP t\_ŕK Zŕj cwi<sup>9</sup>vi cwbŕZ 3-4 evi fŕj Kŕi aŕq QvŕŕZ i wKŕq wbtZ nte| A\_ev Gfŕte evQvBKZ exR RvM w`ŕq AsKw Z Kŕi exRZj vq tērvv thŕZ cvŕi | BDwv qv wgvkŕbv cwb exRZj vq mvi wntmte e`envi Kiv thŕZ cvŕi | ZvQvov Kŕv w`ŕq Lv fŕj fŕte tŕto cwi cŕy exR evQvB Kiv hvq|

## 10. exRi cwi gvY

mvavi YZ, avtbi RvZ Ges Askzi vaMg ¶Zvi Dci exRi cwi gvY wbfP Kti | wbtgaeDij mLZ mfi i gva tfg exRi cwi gvY wbyq Ki hvq |

$$\text{exRi cwi gvY} = \frac{\text{exRi Abjgwi`Z nvi (tKwR/tnt) x Rigi cwi gvb (tnt)}}{\text{exRi Askzi v`Mg nvi}} \times 100$$

RvZ I tgsmg tft` tivcY cxiZtZ exR Drcv`tb tn±ti 20-33 tKwR A\_¶ ciz weNiq 2.7-4.0 tKwR exRi cwi gvY nq | (GK tn±ti i mgvb 7.5 weNv) |

## 11. exR tkvab

fij Ges ti vMgy exR Drcv`b Ki tZ exR ectbi cte exR tkvab Acwi nvh¶ avtbi Ggb KZK, tj v ti vM AvtQ hv exRi gta` we` gvb v¶K Ges GB exR ecb Ki tZ ci eZ¶dmj ti vM i vŠinI qvi mtebr v¶K | ZvB exR ecb Kivi cte exR tkvab Kti wbtZ nq | mvavi YZ avtbi QGvKRwbZ ti vM exRi gva tfg Qwotq v¶K | ZvB QvKvK vvi exR tkvab Kti wbtZ QvKRwbZ ti vM nI qvi mtebr v¶K bv |

### exR tkvab cxiZ:

evQvBKZ wfrv exR Kvcv ev Pti e`vM fti wj v Kti teta wbb | Gevi ciz tKwR exRi Rb` GK wj Uvi cwb Ges wzb Mlg nvti e`wfrv b/tbvBb/BfvwRg/wj wRg/Ucwmj cm/twvRg/mvj dvbU Gi th tKvbu GKw cvt i wgtq wbb | exRi tcvUj wU 12 NvUv wgtq cwbZ wfrv vbi ci ctyiq cwi`vi cwbZ 6-12 NvUv wfrv i vLj | Gfite exR tkvabI nte Ges mWK fite wfrv hvte | Gici exRi tcvUj wU cwb t`K Ztj BU ev Kvvi UKivi Dci NvUv vK ti tL cwb Svi tq wbb |



exR tkvab cxiZ

## 12. RvM t`qv

GKw evtki UKvi ev wgt 2/3 `li i Ktv Lo weNtq Zvi Dci exRi tcvUj wU i vLj Ges Avevi I 2/3 `li i Ktv Lo w`tg Zvi Dci BU ev KvV A\_ ev Ab` tKvb fvi xwRwbm w`tg Pvcv w`tg i vLj | Gfite RvM w`tj AvDk Ges Avgb tgsmg 48 NvUv Ges tev iv tgsmg 72 NvUv gta` fij exRi Askz evni nte Ges exRZj vq ectbi Dch¶ nte |

### 13. exRZj v %Zwi

wfRv Kiv vgg exRZj v exR Drcv` tbi Rb` tenk Dc`hvMx| cmbtZ Wze hvq bv ev Mv`Qi Qvqv cto bv Ggb RvqMv exRZj vi Rb` tetQ tbqv` i Kvi | tetj gmltZ exRZj v bv KivB fij Kvi Y ZvtZ cmb a`i ivLv KóKi | ZvQov Livq tm`Pi cmb ZvovZvmo` i`Ktq hvq| exRZj vi RvgtZ c`qvRbxq cmb w` t`q 2/3wU Pvl I gB w` t`q AŠZ 7-10 w` b RvgtZ cmb AvUtK ivLv` i Kvi | Gi dtj Rvgt AvMvQv, LoKlv BZ`w` c`P gmlU mvt\_ wgtk mvti i KivR Ki`te| Zvici Pvl I gB w` t`q \_K\_`tK Kiv vgg Kti Rvgt %Zwi Ki`Z nte| Gici Rvgti `N`eivei 1 wgvUv Plov teW` Zwi Ki`Z nte| `B tetWi gv`S 25-30 tmwUwgvUv RvqMv duKv ivL`Z nte| wban` Z Rvgti `B cv`ki gmlU Ztj teW` Zwi Kiv hvq| Gici tetWi Dctii gmlU evka ev Kv`Vi P`vcUv j wv w` t`q mgvb Ki`Z nte| teW` %Zwi i 3/4 NsUv ci exR tevbr DvPZ| exRZj v `Zwi i Rb` `B tetWi gv`Si gmlU Ztj th bvj v %Zwi nq Zv L`B `i Kvi x| G bvj v thgb tm`Pi Kv`R j vtM tZgwb cmb w`vktbl Kv`R j vtM| ZvQov mvi KxUvbkK BZ`w` c`qv`Mi mgq Zv w` t`q mn`R Pj vPj Kiv hvq|



exRZj v mgvbKi Y

### 14. exRZj vq exR ecb

c`Z eMvUv exRZj vq 80 MvG exR tevbr i Rb` Dch` | hv` exRZj vi Rb` ch`B RvqMv bv`vtK Zte G extRi cwi gvY emotq c`Z eMvUv 100 MvG Kiv th`Z cv`i | G evowZ extRi Rb` Pvi vi `Yv` Y bó nq bv Ges A` RvqMvq Pvi v `Zwi Kti tenk RvgtZ tivcY Kiv hvq| Zte extRi cwi gvY hZ Kg nte exRZj vq AvMvQvi cwi gvY ZZ tenk n`Z cv`i | G me w`lq wetePbvq, c`Z eMvUv`i 150 MvG ch`S exR tevbr th`Z cv`i | c`Z M`Z` 2-3wU Pviv tivcY Kitj Ges mvi t`tK mvi I `wU t`tK `wQi `yZjh`v`tg 20-25 I 15 tmwUwgvUv ntj GK eMvUv exRZj vi Pvi v w` t`q 20-30 eMvUv Rvgt tivcY Kiv hvq|



exRZj vq exR ecb

### 15. exRZj vi hZæ

m`y` I mej Pviv tctZ ntj exR ectbi ci exRZj vi w`tkl hZætbqv` i Kvi | exR tetWi Dcti `vtK etj cvmL` i bR`ti cto| ZvB ectbi mgq t`tK 4/5 w` b ch`S cvmL Zvov`bvi e`e`v Ki`Z nte Ges bvj v fvZ` Kti cmb ivL`Z nte| tev`iv tgsmtg kx`Zi Rb` Pvi vi evo-evowZ e`vnZ nq| G Kvi tY iv`Z exRZj v cvj w` b w` t`q tX`K ivL`tj VvUvRwbZ ¶wZ t`tK Pvi v ¶v cvq Ges Pvi vi evo-evowZ fij nq|



exRZj vq cvj w` b e`envi

tmPt exRZj vq me mgq bvj v fvZ`cmb ivLv DvPZ| exR MRv`bvi 4-5 w` b ci tetWi Dci 2-3 tmwUwgvUv cmb ivL`tj AvMvQv I cvmL i Av`ugY tiva Kiv hvq| exRZj v i`Ktq tm`tj w`kKo tenk eo n`q hvq Ges Pvi v Zt`Z Kó nq|

*cmb mb`vkbt exRZj vq cwi ngZ cmb ivLtz nte| AwZwi<sup>3</sup> cmb Rtg\_vKtj Privi evo-evowZ Ktg hvq Ges Priv`ej nta cto| ZvB gvtS gvtS Rtg\_vKv cmb tei Kti bZb cmb w`tj Priv mej nq|*



*Av`k<sup>3</sup>exRZj v*

*mvi c0qvMt DeP I gvSwi DeP RngtZ exRZj v`Zwi Ktj tKvb mvti i c0qvRb nq bv| AbgP I mri DeP RngtZ c0Z eM0gUvti 2 tKwR tMvei ev cPr AveRbv mvi c0hvM Kitz nte| GQovov hwi` Priv nj t` nta hvq Zte Priv MRvtbvi`B mBvn ci c0Z eM0gUvti 7 M0g BDwi qv mvi Dcwi c0qvM Kitz B Ptj | BDwi qv c0qvM ci Priv meR bv ntj M0tKi Afve nta t0 etj ati tbqv hvq| G t0t0 c0Z eM0gUvti 10 M0g wRcmvg mvi Dcwi c0qvM Kitz nte| BDwi qv mvi Dcwi c0qvM ci exRZj vq cmb ati ivLv DvPZ| tevtiv tgsmtg AfbK mgq kxtZ Priv j vj tP ev nj t` nta hvq| G Ae`vq exRZj vq c0qvRbxq cmb ivLv`i Kvi |*



*exRZj vq cmb ati ivLv*

**16. Priv DVvtbv**

*Priv DVvtbvi AvtM exRZj vq tewk Kti cmb w`tz nte hvz exRZj vi gvU wftR GtKvti bi g nta hvq| hZannKvti exRZj v t`tK Priv DVvtZ nte hvz Privi KvU ev tMvov tft1/2 bv hvq| tUtB toPto Priv tZvj vi ci AvQvo w`ta gvU cwi`vi Kitz Privi LgB 0wZ nq Ges tivcYi ci Privi evo-evowZi vej w`Z nq| tm Rb` Priv DVvtbvi ci IB Privi cvZv w`ta AvU evavI DvPZ bq| i Ktbr Lo wftRtq AvU evatZ nte|*



*hZannKvti Priv DVvtbv*





25. *tmPe'e-vcbv*

Priv tivctYi ci RigtZ cwi gvYgZ cwb ivLtz nte thb Priv Zuj tq bv hvq| avtbi RigtZ me mgq tenk cwb ati ivLvi c0qvRb tbq| tivctYi mgq t\_tK Kyk Ae-vi gvSigmS chSf u0cu0tc cwb\_vKtj B fiv dj b cvl qv hvq| Zte Dbz Ges gvbmaubæxR Drcv`tb ætkl uKQz`fj mZR\_vKv Avek`K| KivBPf\_vo Ae`vq (Panicle initiation stage) Ges MF`Ae`vq (Booting stage) gvuU i m ev cwb i Afive ntj avtbi msL`v Ktg hvte Ges uKQzavb AvsukK ev m`uY`uPuv ntq hvte| Zivov extRi gvb i fjv Kti uKl evni nI qvi mgq, dz tdvUvi mgq Ges `x Ae`vq RigtZ ht\_ó cwi gvY cwb ivLtz nte|



RigtZ u0cu0tc cwb

uKl evni nI qvi mgq MvtQi me tPtq eo 4/5u Dcti i cvZv KvH`fjg\_vtK æavq tenk cwb i c0qvRb nq| ZvB D<sup>3</sup> mgq Avak tmtpi c0qvRb nq| avtbi Pvj k<sup>3</sup> nI qv Av i æntj (KivUvi 15-20 w`b AvtM) Rigt t\_tK cwb mui tq w`tz nte| Zvbn tj avb cvKtZ t`wi nq Ges extRi , YMZgvb bó ntq hvq| uPuv avb ti vMej vB Ges tcvKvKtoi Avkq`j æavq AvZ mntR extRi gvb bó Kti | mgqZ I cwi ugz cwi gvY tmtpi cwb e`envi i gva`tg uKQy i vMej vB I fjvZKvi K tcvKvKo `gb Kti extRi gvb i fjv Kiv mæ|

BDwi qv mvi c0qvMi AvtM Rigt t\_tK cwb Kigtq Dcwi-c0qvM Ki tZ nte Ges 2-3 w`b ci Avevi cwb w`tj mvti i KvH`vvi Zv evx cte| RigtZ cwb ati ivLtz `vbr`vi KxUbvktKi , Yv, Y evto| Avgb avb t`fjZ Liv Keij Z ntj m`uik tmP w`tz nte| m`uik tmtpi gva`tg Avgb avtbi dj b kZKiv 50-60 fvm evotbv mæ|

26. *AvMvQv`gb*

AvMvQv avb MvtQi mvt\_ Avtj v, cwb I Lv`msM0ni t`fjG c0ZthwMZvq wj B nq| Zivov avb MvtQi tPtq AvMvQv Avak nvti evotZ cvti | G Rb` avtbi t`fjZ AvMvQv\_vKtj avb MvtQi evo-evowZ e`vnZ nq Ges dj b Ktg hvq| avb extRi mvt\_ AvMvQvi exR ugtk extRi , Yv, Y bó Kti | Dtcvi sAvMvQv tcvKvKo I ti vMej vBtqi Avkq`j wntmte ctiv`fj fite avtbi I avb extRi fjvZmvab Kti\_vtK| mvavi YZ Avgb I tev tiv tgsm`gi tPtq AvDK tgsm`g AvMvQvi Dc`è tenk nq| Priv tivctYi ci 40 w`b chSf Rigt AvMvQv g`y ivLtz nq| Zte exRavb Drcv`tbi Rigt me mgq AvMvQv g`y ivLtz nte| tivcv avtb nvZ w`tq Kgct`fj `gevi AvMvQv cwi`vi Ki tZ nte| c0gevi avb tivctYi 15 w`b ci Ges u0Zxqevi 30-35 w`b ci | Zij , `vbr`vi I cvDwvi - GB wZb avtbi AvMvQvbkK cvl qv hvq| Zij I cvDwvi Rivxq AvMvQvbkK cwb tZ ugwktq RigtZ t`c0Ki tZ nq Ges `vbr`vi AvMvQvbkK BDwi qv mvti i g`Zv u0u`tq e`envi Kiv hvq| AvMvQvbkK c0qvMKZ RigtZ 30 w`b ci Av i GKevi nij Kiv nvZ ubombi c0qvRb ntZ cvti | uKQzAb`g w`Z AvMvQvbkK I tm\_tj vi e`envi c`wZ wbtgt` I qv nj |



DBwi w`tq `gb



AvMvQvbkK c0qvM

AvMvQvbkK	c0qvMi mgq	gvT̄v (ueNv)	AvMvQvi aib (Māc)
g'v̄t̄Pū 5wR	t̄ivc̄t̄Yi 3-6 w̄ b chŚ	3.33 t̄KwR	eo cvZv, Nvm, tmR
Avi t̄Mv̄i 10 Bwm	t̄ivc̄t̄Yi 3-6 w̄ b chŚ	14.00 ugwj	eo cvZv I tmR
i b ÷ vi 25 Bwm	t̄ivc̄Y/ec̄t̄bi 3-6 w̄ b chŚ	267.0 ugwj	eo cvZv, Nvm, tmR
w̄w̄i qvm 10 W̄wed w̄c	AvMvQvi 1-2 cvZv R̄āḡt̄bv chŚ	20.00 Mūg	eo cvZv, Nvm, tmR
m̄v_x 10 W̄wed w̄c	AvMvQvi 3-5 cvZv R̄āḡt̄bv chŚ	20.00 Mūg	eo cvZv, Nvm, tmR
m̄vbi vBR 150 W̄wed w̄c	AvMvQvi 3-5 cvZv R̄āḡt̄bv chŚ	13.33 Mūg	eo cvZv, Nvm, tmR
c̄w̄bWv 33 Bwm	t̄ivc̄t̄Yi 2-4 w̄ b chŚ	333.3 ugwj	eo cvZv I Nvm

### 27. t̄ivMejvB I t̄cvKivKo`gb

evsj v̄t̄ k M̄to kZKiv 10-15 f̄vM av̄t̄bi dj b t̄ivMejvB I 18 f̄vM t̄cvKivK̄toi 0̄v̄i v b́o nq | GRb̄ t̄ivMejvB I t̄cvKiv`ḡt̄bi , iāz̄j I c̄0qvRbxqZv tet̄ot̄Q | G chŚ(266w̄U c̄R̄w̄Zi ḡw̄ZKi t̄cvKiv m̄bv<sup>3</sup> Kiv n̄t̄q̄t̄Q | Gt̄`i ḡt̄a` 20-30w̄U c̄R̄w̄Zt̄K av̄t̄bi c̄āvb ḡw̄ZKi t̄cvKiv m̄m̄te MY` Kiv nq | ḡw̄Zi gv̄T̄v m̄vaviYZ t̄cvKiv c̄R̄w̄Z, t̄cvKiv m̄sL̄v, Dc`āz̄ ḠjvKiv m̄vgw̄M̄K c̄w̄i t̄ek, Dc`āz̄ t̄ḡt̄Zi ev Zvi Av̄t̄k̄c̄v̄ki Ae`v, av̄t̄bi RvZ, av̄bM̄v̄Qi eqm, DcKiv x̄ci t̄f̄vR̄x I c̄i R̄w̄e t̄cvKivK̄toi m̄sL̄v BZ`w̄ i Dci w̄b f̄P̄ K̄t̄i | av̄b t̄ḡt̄Z ḡw̄ZKi t̄cvKiv m̄v̄t̄ w̄KQzeÜz̄cvKiv I \_v̄t̄K | ZvB K̄xŪbv̄kK c̄0qvM̄ Kivi t̄P̄t̄q m̄ḡw̄šZ t̄cvKiv e`e`v̄t̄cbv Ab̄ȳi Y Kiv D̄w̄PZ | t̄Kiv w̄b w̄ ó Av̄bóKiv x̄ t̄cvKiv Av̄μḡY c̄ēY Ḡj v̄Kiv Rb̄` c̄0Z̄t̄i va ḡḡZv̄m̄āúbaR̄vZ w̄bev̄P̄b Kiv c̄0qvR̄b |

evsj v̄t̄ k 31w̄U av̄t̄bi t̄ivM̄ m̄bv<sup>3</sup> Kiv n̄t̄q̄t̄Q | Gt̄`i ḡt̄a` 2w̄U f̄vBi v̄m, 3w̄U e`v̄K̄t̄Ūwi qv, 21w̄U Q̄T̄vK Ges 3w̄U Kug.0̄v̄i v m̄sN̄w̄UZ nq | Z̄te, Gt̄`i ḡt̄a` 10w̄U c̄āvb t̄ivM̄ gv̄i vZ̄K f̄v̄te av̄t̄bi ḡw̄Zm̄vab K̄t̄i \_v̄t̄K | av̄t̄bi Drcv`b ēw̄x I ex̄t̄Ri , YMZ ḡvb i ḡv̄i Rb̄` Gme t̄ivM̄`gb Kiv Ac̄w̄i nv̄h̄ḡ t̄iv̄t̄Mi c̄0\_w̄gK Ae`v̄q c̄0Z̄K̄v̄t̄i i e`e`v̄t̄w̄b t̄j `f̄ e`t̄q t̄ivM̄`gb Kiv m̄āe | w̄f̄b̄w̄f̄b̄t̄i v̄t̄Mi dt̄j M̄v̄t̄Q w̄f̄b̄w̄f̄b̄g ḡḡY c̄K̄v̄k cv̄q | t̄ivM̄`ḡt̄bi ceR̄Z̄ḡt̄j v̄ m̄w̄K f̄v̄te t̄ivM̄ m̄bv<sup>3</sup> Kiv | Kiv Y j ḡḡY t̄`t̄L t̄ivM̄ m̄bv<sup>3</sup> K̄t̄i c̄0Z̄K̄v̄t̄i i e`e`v̄t̄w̄b t̄Z̄ n̄te |

### 28. i w̄Ms ev̄ w̄eRvZxq M̄vQ ev̄QvB

exR av̄t̄bi R̄w̄g t̄`t̄K m̄Kj c̄K̄vi w̄eRvZxq M̄vQ, Av̄MvQv Ges t̄ivM̄v̄v̄š̄M̄vQ tet̄Q tdj v̄t̄K i w̄Ms et̄j | th m̄Kj M̄v̄t̄Qi Av̄Kiv-Av̄K̄w̄Z, w̄k̄t̄i i M̄Vb, av̄t̄bi Av̄Kiv-Av̄K̄w̄Z, i0, i'0 I cvZv av̄b cvKiv mgq R̄w̄gi Av̄āK̄v̄sk M̄vQ t̄`t̄K GKUzAv̄j v̄`v tm, t̄j v̄B w̄eRvZxq M̄vQ | t̄gv̄U K\_v̄ w̄b w̄ ó Rv̄t̄Zi av̄bM̄vQ Qvov Ab̄` th t̄K̄vb Rv̄t̄Zi M̄vQ t̄`Lv t̄M̄t̄j B Zv t̄M̄vov t̄`t̄K t̄K̄t̄U td̄t̄j w̄`t̄Z n̄te | c̄0Z̄ , w̄Q̄t̄Z GK̄w̄U K̄t̄i P̄riv t̄ivc̄Y K̄i t̄j i w̄Ms Kiv m̄nR nq | exR av̄t̄bi R̄w̄ḡt̄Z Av̄Z̄w̄i<sup>3</sup> th K̄vRŪK̄z̄K̄i t̄Z nq Zv nj i w̄Ms | i w̄Ms Gi t̄K̄vb t̄k̄l ev̄ m̄sL̄v t̄bB | hLbB w̄eRvZxq M̄vQ t̄`Lv w̄`te ZLbB i w̄Ms K̄i t̄Z n̄te | Z̄te ex̄t̄Ri w̄ei x̄Zv i ḡv̄i Rb̄` gv̄W ch̄ḡq Aš̄Z w̄Z̄bevi i w̄Ms Kiv w̄t̄k̄l c̄0qvR̄b, thgb-



i w̄Ms ev̄ w̄eRvZxq M̄vQ ev̄QvB





### 30. dmj KvUv

RugtZ avb tctK tMtj avb KvUvi nej x^Kiv tgvUB  
 DWPZ bq| GtZ wKQzavb Stj cotZ cfti ev avtbi  
 wklKvUv tj v tcvKv Ges ci cvwLi AvugY ntZ  
 cvti | wktli AMfM t\_tK avb cvKv iia nq| gvtS  
 gta RugtZ wMtq avtbi cvKvi Ae v chfe qY KiZ  
 nte| wktli AMfvM kZKiv 80 fM avtbi Pvj k<sup>3</sup>  
 I ^Q AvKvi aviY Kitj Ges wktli wbtPi Astk  
 kZKiv 20 fM avtbi Pvj AvskK k<sup>3</sup> I ^Q ntj avb  
 wKgtZv tctKtQ etj MY KiZ nte| ZLb Avi t wi  
 bv Kti avb KvUtZ nte| exR avb KvUvi ci cvj v w tq  
 bvti tL H w bB gvovB KiZ nte|



mgggZ dmj KvUv

### 31. exR avb gvovB I i Kvfbv

avb gvovB Kivi Rb cwi wvi -cwi "QbrRvqMv tetQ tbqv  
 i Kvi | KvEv tLvj vi Dci mi vmi avb gvovB bv Kti  
 PvUvB, tnvMj v ev cvj w\_tbi Dci avb titL cv w tq ev  
 DchY gvovB htšj mrvvth axti axti gvovB Kiv  
 i Kvi | Gfvte gvovB Kitj avb extRi qWZ Kg nq  
 Ges avb cwi wvi vtK | exR avb gvovB Kivi mvt\_  
 mvt\_ i Kvfbvi e e v KiZ nte| exR avb gvovBtqi  
 ci AšZ 4-5 evi tivt i wktq tbqv i Kvi | Avgb  
 tgšmšg tivt i Kvfbv hvq Zte tevtiv Ges AvDk  
 tgšmšg Avenvl qv Lvivc vKtj Wqvti i Kvfbvi e e v  
 KiZ nte|



hZmnKviti avb gvovB

exR msi qtyi Rb extRi Av Zv kZKiv 12 fvtMi  
 wbtP vKv DWPZ | i Kvfbv avb vtZ KvUtj hw KUKU  
 ka Kti Zv ntj estZ nte wKgz i wktqtQ | ev j v  
 w\_tb avb gvovB Kiv I i Kvfbv KóKi | tm Rb wkl  
 tKtU tQvU tQvU Avw Kti Nti i wfZi Sij tq titL  
 i Kvfbv hvq | Zv bv ntj extRi Yv Y bó ntq thtZ  
 cvti | mthvM gZ cfti Aek tivt fvj Kti i wktq  
 wbtZ nte|



htšj mrvvth avb gvovB



Wqvti avb i Kvfbv

### 32. exR avb cwi<sup>®</sup>vi Kib

exR avb i Kivt<sup>®</sup>vi ci fij fite tsto cwi<sup>®</sup>vi Kitz nte hvz LoKiv, wPuv, AvMvQvi exR I emj gnuB BZ<sup>®</sup>w` extRi mt½ mgk bv\_vKtZ cvti | G KivR Kzv ev Svovi hšje<sup>®</sup>envi Kiv thtZ cvti |

### 33. exR avb msi qY

exR msi qYi Rb<sup>®</sup> extRi Av`Zv Ges ZvcgvIv LyB , iazcY<sup>®</sup> exR avb wKgz msi qY bv Kij GKiv tk thgb KxUcZ½ I Bujy bó Kti Aci w`tk MRv<sup>®</sup>tvi qgzv Ktg hvq, dtj exR avb t\_tK Avkvbjfc msL`K Piv cvl qv hvq bv | exR avb Avj v`vfite gvovB, SvovB Kti fij fite tivt` i wKtq msi qY Kitz nte | exR avb msi qYi mgq wbtgdj mLZ c`tq, tj v Abvri Y Kitz nte | thgb-

- exR msi qYi AvtM cici 5/6 w`b tivt` A\_ev c<sup>®</sup>qvRtb Wtqv<sup>®</sup>i i mivt<sup>®</sup>h` fij fite i wKtq wbtZ nte thb extRi Av`Zv kZKiv 12 fvtMi wbtP\_vtK | `vZ w`tq exR KvUtj hw` KUKU kã Kti Zvntj eštZ nte exR wK gtv<sup>®</sup>i i wKtq t0 |
- cgy avb evQvB Kti wbtZ nte | Kzv w`tq tsto ev 1.75-2.50 mgvj mgUvi (RvtZi Dci wbf<sup>®</sup> Kti) wQ`<sup>a</sup> wekó Zvti i %Zvi Pij w`w`tq evQvB Kti tbqv thtZ cvti |
- evqY<sup>®</sup> vax cvtI exR ivLv DvPZ | th cvtI exR ivLv nte ZvtZ thb tKvb wQ`<sup>a</sup>bv\_vtK | exR ivLvi Rb<sup>®</sup> tztj i Wtg, we`<sup>®</sup> wKsev tKti vmtbi wUb cfwZ. avZe cvI e<sup>®</sup>envi Kiv fvtj v | cvI fij fite cwi<sup>®</sup>vi Kti i wKtq wbtZ nte |
- avZe cvI e<sup>®</sup>envi Kiv m<sup>®</sup>æ bvn<sup>®</sup>tj gnuI gUKv, Kj m ev tgvUv cvj w`tbi wj e<sup>®</sup>envi Kiv thtZ cvti | gnuI cvI ntj, cvtI i emnti i Mvtq Avj KvZiv w`tq `jevi c<sup>®</sup>ij c w`tZ nte |
- tivta i Kivt<sup>®</sup>vi exR VvUv Kti cvtI fitZ nte | cvI w m<sup>®</sup>úY<sup>®</sup> exR w`tq fivU Kti ivLtz nte | hw` extRi cwi gvY Kg nq Zte extRi Dci KvMR we<sup>®</sup>Qtq Zvi Dci i Kt<sup>®</sup>vi emj w`tq cvI cwi cY<sup>®</sup>Kitz nte |
- cvtI i gly fij fite eU Kitz nte hvz evZim Xk<sup>®</sup>tZ bv cvti | extRi cvI gvPvi Dci ivLv fvtj v hvz cvtI i Zj v gnuI ms`utk<sup>®</sup>bv AvtM | , `vtg evqY<sup>®</sup> vPtj i et<sup>®</sup>ve`<sup>®</sup>vKtZ nte | m<sup>®</sup>vZ m<sup>®</sup>vtZ RvqMvq exR msi qY Kiv DvPZ bq |
- msi qY Kiv exR gv<sup>®</sup>S gv<sup>®</sup>S cix<sup>®</sup>qv Kti t`Ltz nte ZvtZ tKvb cKvi tcvKvgvKo ev Bujy qwZ Kitz wKbv | c<sup>®</sup>qvRtb exR tei Kti gv<sup>®</sup>S gta<sup>®</sup> i wKtq wbtZ nte |
- c<sup>®</sup>Z gY exR avtb 120 Mlg wbg, w<sup>®</sup>wk<sup>®</sup> v ev w<sup>®</sup>el KivUvj cvZvi , tov w<sup>®</sup>gk<sup>®</sup>tq tMvj vRvZ Kij tcvKvi Av<sup>®</sup>gvY nq bv |



wU<sup>®</sup>tbi Wt<sup>®</sup>g exR avb msi yY



cwi<sup>®</sup>÷tki Wt<sup>®</sup>g exR avb msi yY