

Effects of Climatic and Agronomic Factors on Yield and Quality of Bread

Wheat (

unggev k q p " q h " u q o g " q h " v j g " hcev q tu " ycu " f a p g 0 " Y j g " er k ocv k e " hcev q tu " y j k ng " uggf " tcvg " c p f " p k vt q rg p " hgtv k x ct k " q w u " y q t mgtu " k v " e q w n t " dg " e q p enwfgf " v j " cv " tc k " p hcn mg { " hcev q tu " v j cv " j k i j n { " k p h n w g p e g " v j g " uvcvg " q h swch k v { " q h " uggfu 0



.H\ZRUG:KHDW 6HHG TXDOLW\ 5DLQBDVCH 7HPSHUDWXUH 6HHG 1LWURJHQ

,QWURGXFWRQ

:KHDWULWLFXP DHVWLJURFZQ RQ PLOOLRQ KHFWDUHV FRQVWLWXWLQJ SHUFHQW RI WKH ZRUOGdV DUDEOH ODQG PRUH ODQG DUH WKDQ DQ\ RWKHU FURS DQG LW LV JURZQ LQ DOPRVW DOO FRXQWULHV DQG FOLPDWHV ,W LV WKH VWDSOH IRRG IRU ELOOLRQ SHRSOH LQ RYHU FRXQWU ZRUOGZLGH ,W KDV WKH KLJKHVW FRQWHQW RI SURWHLQ RI DOO WKH VWDSOH F DQG FRQWDLQV HVVHQWLDQ PLQHDOV YLWDPLQV DQG OLSLGV ,W LV WKH SUL VRXUFH RI SURWHLQ LQ GHYHORSLQJ FRXQWULHV ZKHUH ELOOLRQ SHRSOH DU GHSHQGHQW RQ ZKHDW IRU VXUYLYDO > @ ,W KDV EHHQ SURMHFWHG WKDW WH GHPDQG IRU ZKHDW LQ WKH GHYHORSLQJ ZRUOG ZLOO LQFUHDVH SHUFHQW E\ ZKLFK LV D VREHULQJ IRUHFDVW FRQVLGHULQJ JOREDO ZKHDW \LHOGV KDYH UHPDLQH G FRQVWDQW IRU PRUH WKDQ D GHFDGH > @

\$ UHFHQW DQDO\VLV E\FRQVWXS DQJUR@WKDQ DOVR LQ ZKHDW FRQVXPSWLQJ DV D FRQVHTXHGFH RI XUEDQLJDWLQJ ULVLQJ LQFRPHV DGGYGLUFWLQJDLVHUQ DQG 6RXWKHUQ \$IULFD +RZHYHU WKH SURGXFWLYLW\ RI WKH EUHDG ZKHDW UHPDLQV ORZ LQ WKHVH FRXQWULHV DV FRPSDUHG WR ORZ\ZROGSDVHUDJH \LHOG KHFWDUH LV DWWULEXWHG WR PDQ\ IDFWRUV VXFK DV XQDYDLODELOLW\ RI TXD VHHG IRU YDULHWLHV WKDW DUH KLJK \LHOGLQJ DV ZHOO DV DGDSWHG WR ZLGH RI DJUR HFRORJLHV RI WKH FRXQWU\ XVH RI SRRU TXDOLW\ VHHGV SRRU TXDOLW RI IDUPHU VDYHG VHHGV DQG SRRU DJURQRPLF SUDFWLFHV DUH VRPH RI WKH IDFWRUV > @

&OLPDWLF FRQGLWLRQV DQG WKH FRXUVH "S\AL@...pKH

DvHFW

'LVFXVVLRRQ

6HOHFWHG FOfletDyWLLHOGV RQ VTXDOLW\ RI ZKHDW
VHHG

(vHFW UDLQIDOO RQ EUHDG ZKHDWV KHLHG RLIHOG DQG TXDOLW\

GHYHORSPHQWDO VWDJH RI WKH SODQW VHHPV WR EH PRUH LPSRUWDQW LQ
LQFUHDVLRQJ WKH SURWHLQ FRQWHQW

,VRSUHQH 6\QWKDYQ~XFOELHGMPSBVDWXUH 3ODQW