

# 3HVWLFLGHV HDQGH&DIQFHVWVLFLGHV LQ WKH 'H

6D\HG . \*RGD

\$QWL 'RSLQJ /DERUDWRU\ 4DWDU 5HVHDUFK 'HSDUWPHQW 3URWHLQ (QJLQHHULQJ 8QLW 'RKD 4DWDU &RUUHVSQRGLQD\DXWKRU D \$QWL 'RSLQJ /DERUDWRU\ 4DWDU 5HVHDUFK 'HSDUWPHQW 3URWHLQ (QJLQ

6 \*RGD#VRWRQ DF XN

5HF GDW@ \$FF-XGWH 3XE GDW@

&RS\ULJKW \*RGD 6. 7KLV LV DQ RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQGHU WKH WHUPV RI WKH &UH GLVWULEXWLRQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO DXWKRU DQG VRXUFH D

&LWDWLRQ \*RGD 6. 3HVWLFLGHV DQG &DQFHU 7KH 8VH RI 3HVWLFLGHV LQ WKH 'HYHORSLH &RXQW

## (GLWRULDO

H XVH RI SHVR VIK I@Y0VV H €V eÂp°€1 Hœ# @ L\ es€Ð0€@€€ 0p 6V ^É€ÐuÅ, ^ï6 VL[WHDUV > @ ,Q GHYHORSHG FRXQWULHV WKH Dp2p` XQW > @ Q•6G •d• %0\$ LQ LW SURYLGHG GHWDLOHG VWXGLIGV vOILQHNG WKH SHVWLFLGHV XVH ZLWK R FDQFHU DPRQJ IDUPHUV ZKLFK LQFOXGH O\PSKRPDV OHXNDHPLD P\HORPD SURVWDWLRQ DQFHUV DQG FDUFLQRPD +HSDWRFHOXODU FDUFLQRPD +&& WKH PDMRU SULPDU\ PDOLJQDQW WXPRU RI OLYHU LV WKH VL[WK PRVW FRPPRQ FDQFHU DQG WKH WKLUG OHDGLQJ FDXVH RI FDQFHU

SROOXWDQWV RQ KXPDQ KBa •QHHG WR ULJURUXV OHJLVODWLRQ DQG UHJXODW ZHOO DV HGXFDWLRQDO SURJUDP IRU DZDUHQHV RI WKH SXEOLF DV ZHOO SHUVRQQHO LQYROYHG LQ SHVWLFLGHV LQGXVWULHV

## 5HIHUGHQFHV

,QWHUQDWLRQDO \$JHQF\ IRU 5HVHDUFK RQ &DQFHU 2FFXSDWLRQDO H[SRVXUHV LQ LQVHFVFLGH DSSOLFDWLRQ DQG VRPH SHVWLFLGHV /\RQ )UDQFH )LQQ 56 2YHULHZ DQG GHVFULSWLRQ RI KHSDWRFHOXODU FDUFLQRPD &OLQLFDO 5RXQGWDEOH 0RQRJUDSK %HDUG - ''7 DQG KXPDQ KHDOWK 6FL 7RWDO (QYLURQ /L 5 =KHQJ - :DQJ 5 6RQJ < &KHQ 4 HW DO %LRFKHPLFDO GHJUDGDWLRQ SDWKZD\ RI GLPHWKRDWH E\ 3DUDFRFFXV VS /JMM LVRDWHG IURP WUHDWPHQW ZDVWHZDWHU ,QW %LRGHWHU %LRGHJU \*RGD 6. (OVD\HG ,( .KRGDLU 7\$ (O 6D\HG : 0RKDPHG 0( 6FUHHQLQJ IRU DQGHQW\ DQG DQG DQG VHTXHQFLQJ RI WKH JHQH HQFRGLQJ %DFWHUDPS QBL&FIDQRLQJ DQG SURWHLQ HQJLQHHULQJ WR WKH GHJUDGDWLRQ RI K\GURFDUERQV WKH GHJUDGLQJ HQJ\PH FDUER[ \OHVVWUDVH %LRGHJUDGDWLRQ 6WHPPHU :3 5DSLG HYROXWLRQ RI D SURWHLQ LQ YLWUR E\ '1\$ VKXzLQD\WXUH 9DQGH &DVWHHOH -3 3HWUROHXP OLFURELRO\ &RQFHSHV (QYLURQPHQWDO ,PSOLFDWLRQV ,QGVWULDO \$SSOLFDWLRQV 9ROXPH (GLWLRQV 7HFKQLS 5XH \*LQRX[ 3DULV )UDQFH %HGRXHOH + 9DQGHFDVWHHOH -3 \$SSOLFDWLRQ RI PROHFXODU ELRORJ\ DQG SURWHLQ HQJLQHHULQJ WR WKH GHJUDGDWLRQ RI K\GURFDUERQV 6XHQDJD + 1RQDND . )XMLKDUD + \*RWR 0 )XUXNDZD . +\EULG SVHXGRPRQDGV HQJLQHHUHG E\ WZR VVHS KRPRORJRXV UHFRPELQDWLRQ DFTXLUH QRYHO GHJUDGDWLRQ DELOLWLHV WRZDUG DURPDWLFV DQG SRO\FKORULQDWG ELSKHQ\OV \$SSO OLFURELRO %LRWHFKQRO