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(*Glycine max L.*)

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L11

Williams

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DNA

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Archive of SID

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Williams L11

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(Glycine max L.)

A large, faint watermark is printed diagonally across the page. The text "Archive of SID" is written in a serif font, with "Archive" on the first line and "of SID" on the second line. The watermark is oriented from the bottom-left towards the top-right.

Williams L11

Faur ELF Columbus CN210 Clark Century
Persing M4 M12 L17 L11 Hill Blakhawk
SRF Williams

LSD

(%)

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(%) LSD

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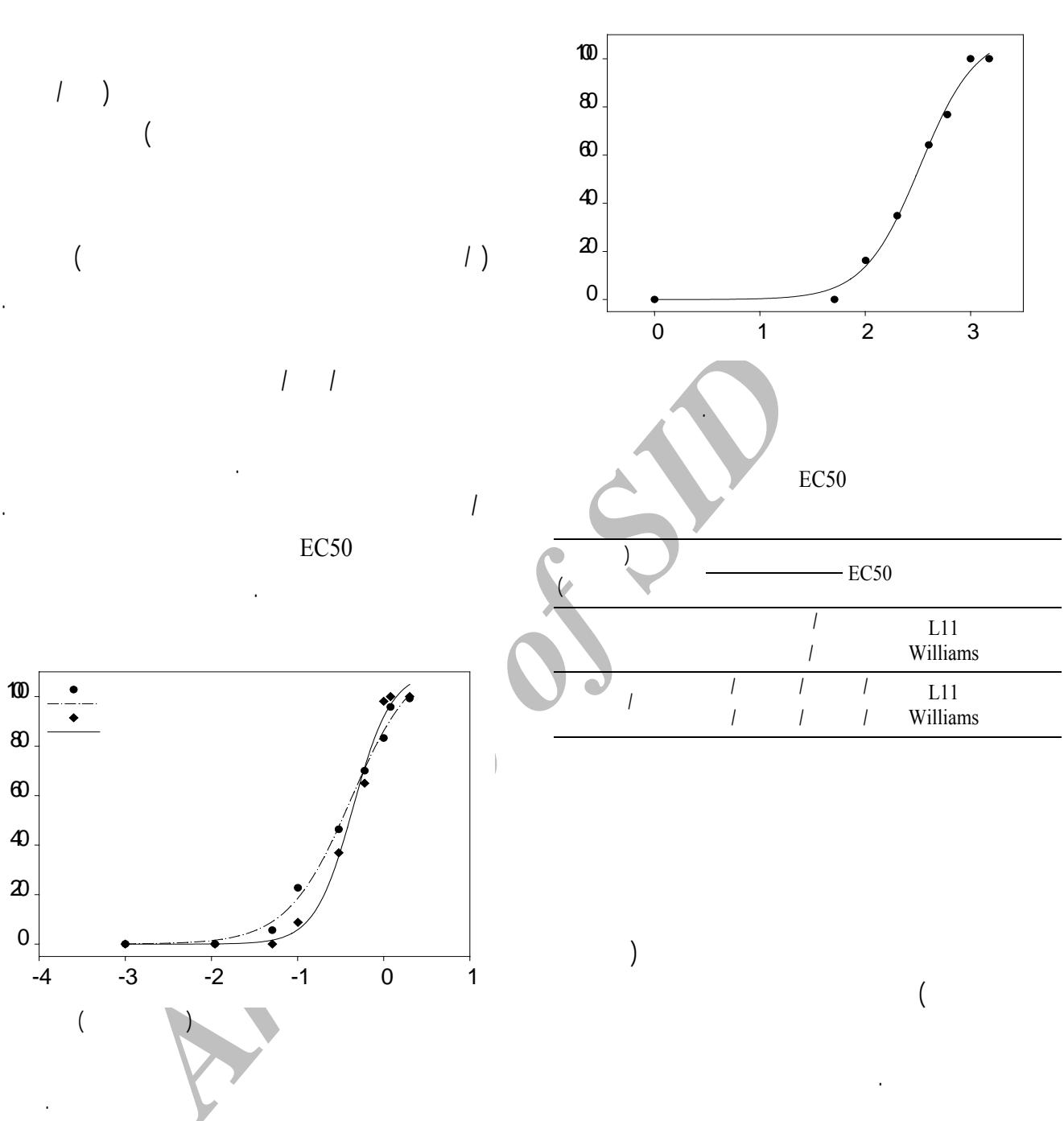
(

EC50

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1. Effective Concentration

(*Glycine max* L.)



								SRF	CN210	Faur
/ c	/ fgh	/ kl	/ efg	/ fgh	/ ijk	Blakhawk	/	/	/	/
/ a	/ a	/ bcd	/ abc	/ a	/ efg	Century	Clark	Hill	ELF	L17
/ bc	/ def	/ ijk	/ i	/ mn	/ mn	Clark	/	/	/	/
/ a	/ ab	/ bcd	/ abc	/ bcd	/ efg	CN210				
/ a	/ abc	/ ef	/ abc	/ abc	/ ghi	Colombus				
/ e	/ no	/ op	/ i	/ lm	/ no	ELF				
/ a	/ ab	/ abc	/ a	/ abc	/ cd	Faur				
/ d	/ mn	/ lm	/ hi	/ hij	/ mn	Hill				
/ d	/ ikl	/ mn	/ gh	/ jk	/ mn	L11				
/ d	/ ijk	/ p	/ k	/ mn	/ o	L17				
/ a	/ ab	/ cde	/ def	/ cde	/ k	M12	Clark	ELF	L17	/
/ a	/ bcd	/ bcd	/ cde	/ efg	/ ghk	M4	/	/	/	
/ b	/ def	/ hij	/ g	/ bcd	/ mn	Persing				
/ a	/ ab	/ efg	/ bcd	/ abc	/ ghi	SRF				
/ b	/ def	/ ghi	/ cd	/ def	/ gh	Williams				

(P< /)

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 Century
 SRF CN210 Faur
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 Clark Hill ELF L17
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 Colembus
 / CN210 Century
 Clark ELF L17 /
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(r= /)

	/ gh	/ i	/ abcd	/ i	Blakhawk
/ a	/ cd	/ bcdef	/ a	Century	
/ e	/ ef	/ abcd	/ ef	Clark	
/ d	/ bcd	/ bcdef	/ ab	CN210	
bc	/ a	/ efgh	/ de	Columbus	
/ hi	/ fg	/ a	/ j	ELF	
/ c	/ a	/ bcde	/ de	Faur	
/ hi	/ h	/ ab	/ h	Hill	
/ fg	/ fg	/ i	/ g	L11	
/ i	/ g	/ efghi	/ i	L17	
/ e	/ ef	/ cdefg	/ bc	M12	
/ e	/ ef	/ fghi	/ ab	M4	
/ f	/ hi	/ ghi	/ ef	Persing	
/ a	/ bc	/ bcdef	/ cd	SRF	
/ e	/ def	/ hi	/ ef	Williams	

(P< /)

ELF L17

Faur CN210 SRF Century

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Faur Century SRF CN210 ((L11 Hill ELF L17

(b)

(a)

(c)

DNA

(rab= / rac = / rbc = /)

REFERENCES

1. Barrentine, W.L., E.E. Hartwig, Jr.C.J. Edwards & T.C. Kilen. 1982. Tolerance of three soybean (*Glycine max*) cultivars to metribuzin. *Weed Sci.* 30:344-348.
2. Boerboom, C.M., N.H. Ehlke, D.L. Wyse & D.A. Somers. 1991. Recurrent selection for glyphosate tolerance in birdsfoot trefoil, *Crop Sci.* 31: 1124- 1129.
3. Dayan, F. E. & J. D. Weete. 1997. Soybean (*Glycine max*) cultivar difference in response to sulfentrazone. *Weed Sci.* 45: 634-641.
4. Duncan, C.N. & S.C. Weller. 1987. Heritability of glyphosate susceptibility among biotypes of field bindweed. In: *Herbicide Resistance in Plant* (S.B. Powles and J.A.M. Holtum, Eds.). CRC Press, Inc.
5. Harrison, H.F. 1988. Metribuzin tolerance with the genus vigna. *Weed Tech.* 2: 59- 63.
6. Hart, S.E., J.W. Saunders & D. Penner. 1994. Herbicide resistant crops from cell selection. *Rev. Weed Sci.* 6: 251- 263.
7. Jain, S.M., D.S. Brar & B.S. Ahlowalia. 1998. *Somaclonal Variation and Mutations in Crop Improvement*. Pub. Kluwer Academic. pp. 169- 202.
8. Jensen, J.E., J.S. Streibig & C. Andreasen. 1999. *Weed Science Compendium*. KVL Press, Copenhagen, Denmark. pp. 247-287.
9. Jourdan, P.S., E.D. Earle & M.A. Mutschler. 1989. Synthesis of male sterile, triazine- resistant *Brassica napus* by somatic hybridization between *Brassica oleracea* and ATB- B. *B. napus*. *Theor. Appl. Genet.* 78: 271- 279.
10. Kee, E. & T. Wooten. 1994. Varietal sensitivity of potatoes to E9636 and metribuzin. *Proc. Northeast. Weed Sci. Soc.* 48:116-119.
11. Li, Z. 1999. Use of seedling growth parameters to classify soybean (*Glycine max*) cultivar sensitivity to sulfentrazone. *Weed Tech.* 13: 530-535.
12. Loux, M.M., R.A. Lieble & T. Hymowitz. 1987. Examination of wild perennial *Glycine* species for glyphosate tolerance. In: *Herbicide Resistance in Plant* (S.B. Powles and J.A.M. Holtum, Eds.). CRC Press, Inc.
13. Motsenbocker, C.E. & T.J. Monaco. 1993. Differential tolerance of sweet potato (*Ipomoea batatas*) clones to metribuzin. *Weed Tech.* 7: 349-354.
14. Reiners, S., F.S. Corsky & J.J.V. Desouza. 1988. Uptake, translocation, and metabolism of thiobencarb in two lettuce, *Lactuca sativa*, cultivars. *Weed Sci.* 36: 553-557.
15. Taregyan, M.R., A.M. Mortimer, P.D. Putwain & H.A. Collin. 2001. Selection for resistance to the herbicide imazethapyr in somaclones of soybean. *Weed Research.* 41: 143- 154.
16. Yenne, S.P., D.C. Thill, D.Y. Letourneau, D. Auld & L.C. Haderlie. 1988. Techniques for selection of glyphosate- tolerant field pea, *Pisum sativum*, cultivars. *Weed Technology.* 2: 286- 290.