4390

PESTICIDE ALTERNATIVES QUESTIONNAIRE

Name of Respondent: FERRIS, H. County/Campus: Yolo/Davis
DICHLOROPROPENE
Crop: Mola FS Target Pesticide (TP): For dichlessophers
What is the standard method of application for this pesticide?
What is the frequency of application?
Section I. Chemical Alternatives Not in the Catalogue to the Replace the Loss of the Above Pesticide
Identify your first choice as an alternative pesticide: The Mothy (first of
What is the expected crop yield with this pesticide compared to the target pesticide (TP)? (Circle number) VERY LOW = 1 2 3 4 5 6 7 8 9 (10) = AS HIGH AS TP
What is the expected crop quality with this pesticide compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 (0) = AS HIGH AS TP
What is the standard method of application for this pesticide?
What is the frequency of application?
Describe deficiencies or problems with this alternative: Too IXION SIME OF TIMES
- C-AS and not highestoted, registered. FENAMIPHOS
Identify your second choice as an alternative pesticide:
What is the expected crop yield with this pesticide compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 (9) 10 = AS HIGH AS TP
What is the expected crop quality with this pesticide compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 (9) 10 = AS HIGH AS TP
What is the standard method of application for this pesticide?
What is the frequency of application? CMMIN - CM MIDDA
Describe deficiencies or problems with this alternative: Journ of the company of
porticide had not repetited
Section II. Non-Chemical Alternatives to the Replace the Loss of the Target Pesticide
Identify your first choice for a non-chemical alternative or alternative program for replacing this pesticide:
faithers traderias
How would you describe this alternative? (Circle number of answer.) BIOLOGICAL (such as biological control, a biopesticide, host/plant resistance, bacteria, etc.) PHYSICAL (such as flaming, mechanical incorporation, cultivation, flooding, canopy mgt.,etc.) MANAGEMENT (such as time or location of planting, cultivar, not to plant the crop, rotation, etc.) REGULATORY (such as mandatory host-free periods, crop termination, seed indexing, etc.) A COMBINATION OF SEVERAL OF THE ABOVE

What is the expected crop yield with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH AS TP						
What is the expected crop quality with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH AS TP						
Estimate the cost of this alternative on a per acre basis, gr, identify the kind of costs that need to be estimated to determine cost: Describe difficulties or constraints to the use of this alternative or alternative system that you feel need to be studied or researched to provide an effective alternative:						
Identify your second choice for an alternative or alternative program for replacing this pesticide:						
Recognised (Au Wal						
How would you describe this alternative? (Circle number of answer.) 1) BIOLOGICAL (such as biological control, a biopesticide, host/plant resistance, bacteria, etc.) 2 PHYSICAL (such as flaming, mechanical incorporation, cultivation, flooding, canopy magt., etc.) 3 MANAGEMENT (such as time or location of planting, cultivar, not to plant the crop, rotation, etc.) 4 REGULATORY (such as mandatory host-free periods, crop termination, seed indexing, etc.) 5 A COMBINATION OF SEVERAL OF THE ABOVE						
What is the expected crop yield with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 (7) 8 9 10 = AS HIGH AS TP						
What is the expected crop quality with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH AS TP						
Estimate the cost of this alternative on a per acre basis, or, identify the kind of costs that need to be estimated to determine cost:						
Is alternative proposed available now? Yes (Circle answer)						
Describe difficulties or constraints to the use of this alternative or alternative system that you feel need to be overcome to provide an effective alternative:						
Nood to study sail bidlogy						
Section III. Research, Development and Implementation Activities						

Describe what research, development or implementation activities you have underway that might provide an alternative to the pest problem and indicate the time frame that you would predict the alternative might be available as a practical treatment or control program: (Use additional sheet if needed)

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PESTICIDE ALTERNATIVES QUESTIONNAIRE

	Name of Respondent: WESTERDAHL, B. B. County/Campus: Yolo/Davis
	Crop: Alfalfa FS Target Pesticide (TP): +3-1
	1 Shank a , /.
	What is the standard method of application for this pesticide? Short in ich or per crop.
	What is the frequency of application? Orce Protection
LJE	Section I. Chemical Alternatives Not in the Catalogue to the Replace the Loss of the Above Pesticide
سعوا	of chemical has not been shown to be economica on alfalfa in CA
	Identify your first choice as an alternative pesticide: Va pa w
	What is the expected crop yield with this pesticide compared to the target pesticide (TP)? (Circle number) VERYLOW = 1 2 3 4 5 6 8 9 10 = AS HIGH AS TP
	What is the expected crop quality with this pesticide compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH AS TP
	What is the standard method of application for this pesticide? Short in section or Tog
	What is the frequency of application? Once per crop
	Describe deficiencies or problems with this alternative: ack of Pff cacy
	brood spectrum national
	Identify your second choice as an alternative pesticide: Chloropic rin
	What is the expected crop yield with this pesticide compared to the target pesticide (TP)? VERYLOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH AS TP
	What is the expected crop quality with this pesticide compared to the target pesticide (TP)? VERYLOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH AS TP
	What is the standard method of application for this pesticide? Thank in jection
	V
	Desired to the state of the
	Spectrum
	What is the frequency of application? Orce percept Describe deficiencies or problems with this alternative: 14th of CH cacy Spectrum Mocd Spectrum Modd Spectrum
	Section II. Non-Chemical Alternatives to the Replace the Loss of the Target Pesticide
	Identify your <i>first</i> choice for a non-chemical alternative or alternative program for replacing this pesticide:
	resistant and continuous
	How would you describe this alternative? (Circle number of answer.)
Č	SIOLOGICAL (such as biological control, a biopesticide, host/plant resistance, bacteria, etc.) 2 PHYSICAL (such as flaming, mechanical incorporation, cultivation, flooding, canopy mgt.,etc.)
	3 MANAGEMENT (such as time or location of planting, cultivar, not to plant the crop, rotation, etc.) 4 REGULATORY (such as mandatory host-free periods, crop termination, seed indexing, etc.)
	5 A COMBINATION OF SEVERAL OF THE ABOVE

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What is the expected VERY LOW = 1	crop yie	ld with 3	this al	ternative 5	compa:	red to	the target	pesticio 9	de (TP) ? 10 =	AS HIGH AS TP
What is the expected VERY LOW = 1	crop qua	lity wi 3	th this	alternati 5	ive com	pared 7	to the targ	get pest 9	icide (TP 10 =) ? AS HIGH AS TP
Estimate the cost of the to determine cost: (Coscribe difficulties of studied or researches)	sts 4 r constra	nese	HI I he use	of this a ive alter	os cept Iternativ	re or al	out but cut fur ternative	ans me system	eds to d	tel Tellines
Identify your second	choice f	or an al	ternativ				ım for rep	lacing t	his pestic	cide: <u>fallsu</u>
How would you described to be seen to be see	(such a (such a (such a (such a	as biolog as flamin as time d as mand	gical cong, medor located atory h	ontrol, a chanical ion of places	biopestic incorpor anting, o periods,	cide, h ration, cultiva	ost/plant cultivatio	n, flood lant the	ing, cand crop, rol	py magt., etc.) ation, etc.)
What is the expected VERY LOW = 1	crop yie			ternative	compa 6	red to	the target	pesticio 9	de (TP) ? 10 =	AS HIGH AS TP
What is the expected VERY LOW = 1			th this 4	alternati	ve comp 6	pared (to the targ	get pesti 9	cide (TP) 10 =	? AS HIGH AS TP
Estimate the cost of the to determine cost:	nis altern	ative on	a per	acre basi	s, or, ide	entify t	he kind o	f costs t	hat need	to be estimated
Is alternative propose	d availal	ole now	?	Yes	No	(Cire	cle answer	r)		
Describe difficulties o overcome to provide	r constra e an effe	ints to t	he use Iternati	of this al	Iternativ	e or al	ternative :	system	that you	feel need to be
bedelern's		·····								
	O 1	TT : T)				1 Tmm1	amantalia	n A <i>a</i> li!	tion	

Section III. Research, Development and Implementation Activities

Describe what research, development or implementation activities you have underway that might provide an alternative to the pest problem and indicate the time frame that you would predict the alternative might be available as a practical treatment or control program: (Use additional sheet if needed)

And companies noting on rew resident writer.

Wording on resistence in Imperial Vallez Seed companies working on new resistant varieties

PESTICIDE ALTERNATIVES QUESTIONNAIRE Yolo/Davis CASWELL, E. P. County/Campus: Name of Respondent: Target Pesticide (TP) What is the standard method of application for this pesticide? What is the frequency of application? Section I. Chemical Alternatives Not in the Catalogue to the Replace the Loss of the Above Pesticide Methy Bromido Identify your first choice as an alternative pesticide: What is the expected crop yield with this pesticide compared to the target pesticide (TP)? (Circle number) VERYLOW = 1AS HIGH AS TP What is the expected crop quality with this pesticide compared to the target pesticide (TP)? VERYLOW = 1AS HIGH AS TP What is the frequency of application? NOT REGISTERED Describe deficiencies or problems with this alternative:____ EXPENSIVE JAMA. Identify your second choice as an alternative pesticide: What is the expected crop yield with this pesticide compared to the target pesticide (TP)? VERYLOW = 1AS HIGH AS TP What is the expected crop quality with this pesticide compared to the target pesticide (TP)? VERYLOW = 110 = ASHIGHASTPDRANCH What is the standard method of application for this pesticide? annux Dann What is the frequency of application? N94 Describe deficiencies or problems with this alternative: Section II. Non-Chemical Alternatives to the Replace the Loss of the Target Pesticide Identify your first choice for a non-chemical alternative or alternative program for replacing this pesticide: resistance probabl How would you describe this alternative? (Circle number of answer.) BIOLOGICAL (such as biological control, a biopesticide, host/plant resistance, bacteria, etc.) **PHYSICAL** (such as flaming, mechanical incorporation, cultivation, flooding, canopy mgt.,etc.)

(such as time or location of planting, cultivar, not to plant the crop, rotation, etc.)

(such as mandatory host-free periods, crop termination, seed indexing, etc.)

MANAGEMENT

A COMBINATION OF SEVERAL OF THE ABOVE

REGULATORY

What is the expected crop yield with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HICK	SH AS TP
What is the expected crop quality with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH	H AS TP
Estimate the cost of this alternative on a per acre basis, or, identify the kind of costs that need to be esto determine cost: Pant Material Mare expensive	timated
Describe difficulties or constraints to the use of this alternative or alternative system that you feel nee studied or researched to provide an effective alternative: Poblems with an Annual Company of the studied or researched to provide an effective alternative:	d to be 、
and stability of resistance	r
Identify your second choice for an alternative or alternative program for replacing this pesticide:	·
Biologial Control	
1 BIOLOGICAL (such as biological control, a biopesticide, host/plant resistance, bacteria, etc. 2 PHYSICAL (such as flaming, mechanical incorporation, cultivation, flooding, canopy mag 3 MANAGEMENT (such as time or location of planting, cultivar, not to plant the crop, rotation, e 4 REGULATORY (such as mandatory host-free periods, crop termination, seed indexing, etc.) 5 A COMBINATION OF SEVERAL OF THE ABOVE	t., etc.) lc.)
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What is the expected crop quality with this alternative compared to the target pesticide (TP)? VERY LOW = 1 2 3 4 5 6 7 8 9 10 = AS HIGH.	GH AS TP
Estimate the cost of this alternative on a per acre basis, or, identify the kind of costs that need to be esto determine cost:	timated
Is alternative proposed available now? Yes No (Circle answer)	
Describe difficulties or constraints to the use of this alternative or alternative system that you feel necessary overcome to provide an effective alternative: NEED TO UNDERSIAND SOIL & COLOGY,	d to be REDVIRES
PESEARCH	

Section III. Research, Development and Implementation Activities

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