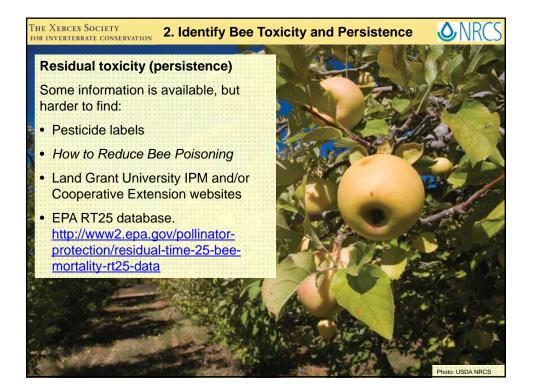
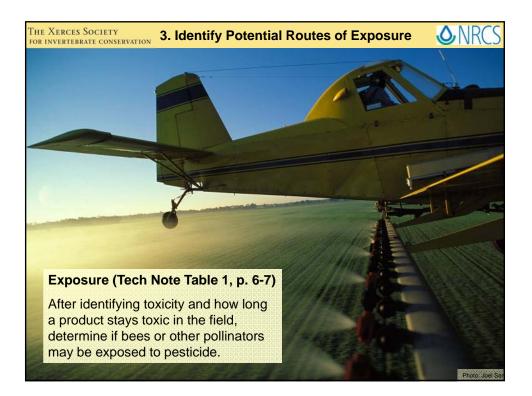
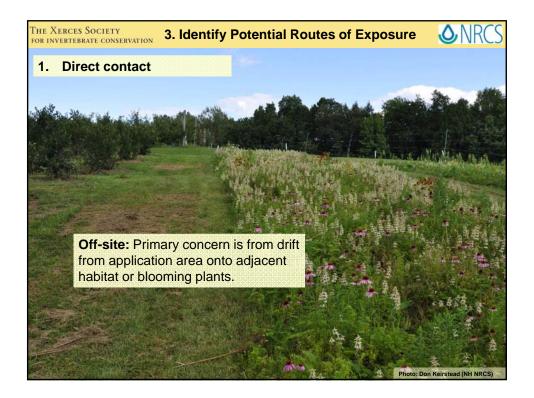


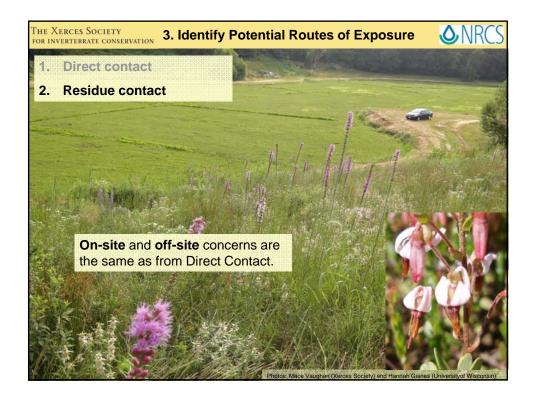
e Xerces So r invertebrat	OCIETY Te conservation	2.	Identi	ify B	ee To	xicit	y and P	ersis	tence 💧	VR(
Assess r	pesticide to	oxid	citv to	bee	s			_		_
			•		U			ME	TOXICITY_RATING	тс
NRCS, h	owever, ha	s its	s own t	ool.					Relatively nontoxic	25
NIN-PST	honey bee	e to:	xicitv c	outpu	ıt				Relatively nontoxic	100
1	O Windows Pesticide Screening Tool	- WIN-PST 3							Relatively nontoxic	18.
	Copen New Tools Window H	telp								
	CHEMICAL 2.4 DP.p-2-EHE	PC_CODE 031465	H	USEPATTERN lerbicide	COMMON_NAME Honey bee	SCIENTIFIC_NA Apis mellifera	Relatively nontoxic 2	XICITY_(Relatively nontoxic	14.
	2.4-D 2-EHE 2.4-D Acid	030063	94-75-7 H	lerbicide lerbicide	Honey bee	Apis mellifera Apis mellifera	Relatively nontoxic 10 Relatively nontoxic 11	13	Relatively nontoxic	25
	2,4-DB Acid 2,4-DP 2-Butoxyethyl Ester 2,4-DP o. DMA salt	030801 031453 031403	53404-31-2 H	lerbicide lerbicide lerbicide	Honey bee Honey bee Honey bee	Apis mellifera Apis mellifera Apis mellifera	Relatively nontoxic 14 Relatively nontoxic 25 Relatively nontoxic 25		Relatively nontoxic	25
	2-Hydroxyethyl octyl sufide Abamectin (Avermectin)	046301 122804	3547-33-9	nsecticide Nticide	Honey bee Honey bee	Apis mellfera Apis mellfera	Relatively nontaxic 5/ Highly taxic 0.		Relatively nontoxic	56.
	Acephate Acequinocyl	103301 006329		nsecticide Nticide	Honey bee Honey bee	Apis mellifera Apis mellifera	Highly toxic 1. Relatively nontoxic 10		Highly toxic	0.4
	Acequinocyl (15% formulation) Acequinocyl (15%SC Formulati	006329	57960-19-7 M	ficide ficide	Honey bee Honey bee	Apis mellifera Apis mellifera	Relatively nontoxic 3 Relatively nontoxic 3		Highly toxic	1.2
	Acequinocyl (15%SC formulati Acetamiprid	006329	135410-20-7	fiscide nsecticide	Honey bee Honey bee	Apis mellifera Apis mellifera	Relatively nontoxic 3 Moderately toxic 8			
	Acetochior Acibenzolaris methyl	121601 061402	135158-54-2 F	lerbicide ungicide	Honey bee Honey bee	Apis mellifera Apis mellifera	Relatively nontoxic 20 Relatively nontoxic 10		Relatively nontoxic	100
	Alachior Aldicarb	090501	116-06-3	lerbicide nsecticide	Honey bee Honey bee	Apis mellfera Apis mellfera	Relatively nontoxic 3 Highly toxic 0.	5	Relatively nontoxic	315
	Allethrin Ametryn Amicarbazone	004001 080801 114004	834-12-8 H	rsecticide Ierbicide Ierbicide	Honey bee Honey bee Honey bee	Apis mellifera Apis mellifera Apis mellifera	Moderately toxic 3. Relatively nontoxic 10 Relatively nontoxic 24		Relatively nontoxic	315
	Aminopyralid Amiraz	005100	150114-71-9 H	lerbicide tecticide	Honey bee Honey bee	Apis mellfera Apis mellfera	Relatively nontoxic 10 Relatively nontoxic 10		Relatively nontoxic	350
	Amtrole Amtrole (Weedazol formulation)	004401	61-82-5 H	lerbicide lerbicide	Honey bee Honey bee	Apis mellfera Apis mellfera	Relatively nontoxic 1. Relatively nontoxic 2		Moderately toxic	8.1
	Ammonium scaps of fatty acids Ancymidol	031801 108601		lerbicide lerbicide	Honey bee Honey bee	Apis mellifera Apis mellifera	Relatively nontoxic 10 Relatively nontoxic 10			
	Toxicity Type: Fish O Human @ Bee							Locate	Relatively nontoxic	200
	0.121 0.12101 0.000							-	Relatively nontoxic	100
							Status: Updated Pesticide d	ata is available fro	m the NRCS WN-PST web site. 8/22/20	13 10:07



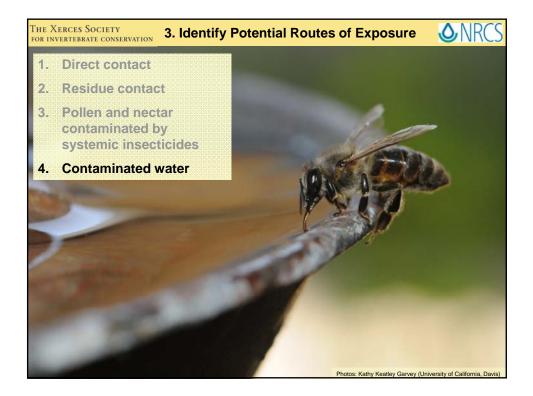


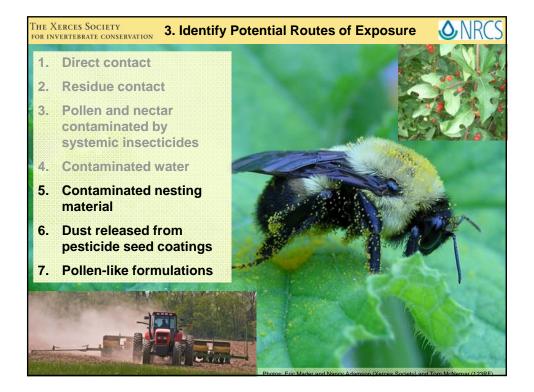


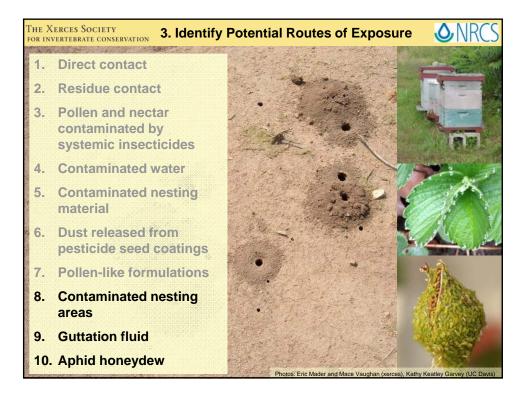




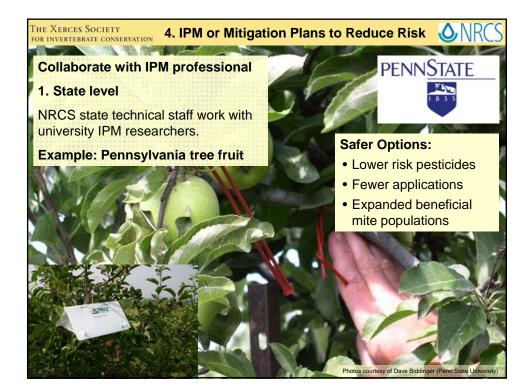






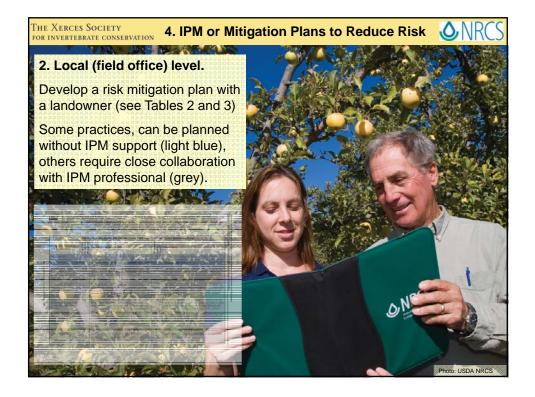






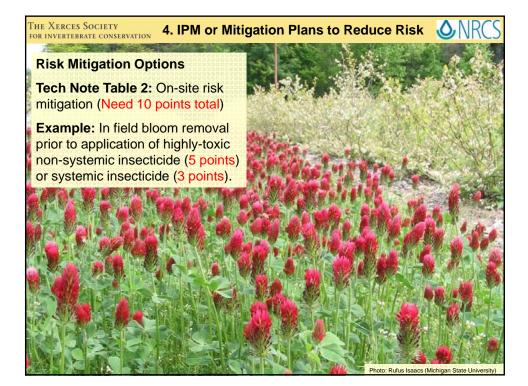


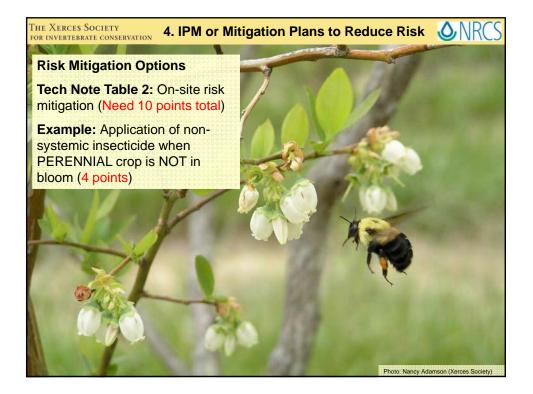
Apricot							
Relative Toxicition and Honey Bees	es of Ins	secticides and M	iticides Us	ed in Apri	cots to N	latural	Enemies
(Reviewed 11/07, updated :	2/09)						
In this Guideline: Publication Glossary							
Common name (trade name)	Mode of action ¹	Selectivity ² (affected groups)	Predatory mites ³	General predators ⁴	Parasites 4	Honey bees ⁵	Duration of impact to natural enemies ⁶
Bacillus thuringiensis ssp. kurstaki	11.B2	narrow (caterpillars)	L	L	L	IV	short
bifenazate (Acramite)	25	narrow (spider mites)	L	L	L	III	short
carbaryl (Sevin) 50, 80	1A	broad (insects, mites)	L/H	н	н	I	long
carbaryl (Sevin) XLR	1A	broad (insects, mites)	L	н	н	II	long
carbaryl (Sevin) XLR Plus	1A	broad (insects, mites)	L	н	L	Ι7	long
chlorantraniliprole (Altacor)	28	narrow (caterpillars)	-	-	-	-	-
clofentezine (Apollo)	10A	narrow (mites)	L	L	L	IV	short
diazinon	18	broad (insects, mites)	L	н	н	I	moderate to long
diflubenzuron (Dimilin)	15	-	L	н	L	IV	-
esfenvalerate (Asana)	3	broad (insect, mites)	н	м	н	I ⁸	moderate
imidacloprid (Provado)	4A	narrow (sucking	_	_	н	п	short to moderate

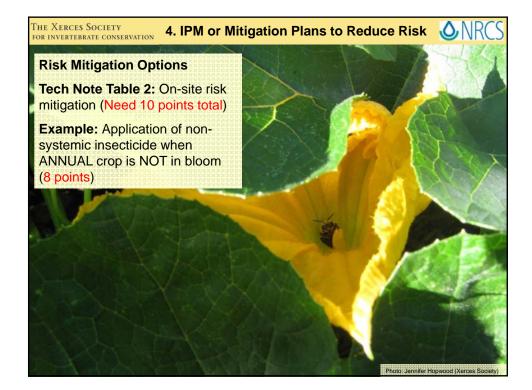


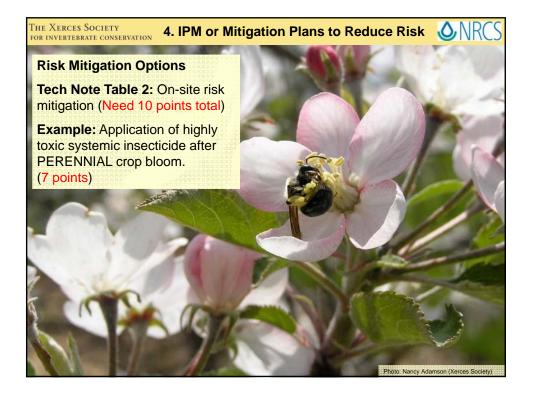
ES SOCIETY EBRATE CONSERVAT	ION	4. IPM or Mitigation P	lans	s to Reduce Risk 🔘
Note Tables		and 3 (pp. 14 – 21).		
professional, ider mitigate the pote that are self-expl	ntifics a p ential imp lanatory :	esticide risk to pollinators in a conservation plan, then t	he practice is treated a isnt or NR	areas. The blue shading indicates practices or techniques CS employee. The grey shading indicates practices or
	Risk M	itigation Practices and Techniques for Pollinator I	Protection	a Within Treatment Areas
Mitigation Practices and Techniques	Exposure Pathways Mitigatod ²	Treatment Requirements	Mitigation Index Value ⁴	Comments
CPS Code 327, Conservation Cover	a	Plant predominantly or exclusively grass species on field borders or in orchard and vineyard alleys so as to not attract pollinators during pesticide applications and for a period afterwards.	4	Care should be taken to ensure that the practice is not designed to attract pollinators when pesticides are being applied.
Application at Night: High to Moderate Toxic- ity and Long Residual Toxicity ⁴	a, b	Apply pesticides when pollinators are least active, im- mediately after dark. Required records: record time of pesticide application and pollinator activity.	1	The effectiveness of this technique is based on the tox- icity and residue half-life of the pesticide. This effec- tiveness score applies to the application of pesticides that are highly or moderately toxic to bees and have a residual loxicity greater than 6 hours.
Application at Night: High Toxicity and Short Residual Toxicity ⁵	a, b	Apply pesticides when pollinators are least active, immediately after dark. Dewy nights may cause an insecticide to remain wet on the foliage and lengthen its toxic residual. Required records record time of peticide application and pollinator activity.	5	The effectiveness of this technique is based on the ap- plication of poeticides that are highly toxic to beer and have a residual toxicity of less than 8 hours and will be unavailable (and montoxic) to boos if the product drise before dawn.
Application at Night: Moderately To Low Toxic- ity and Short Residual Toxicity	a, b	Apply pesticides when pollimators are least active, immediately after dark. Note that dewy nights may cause an insecticide to remain wet on the foliage and lengthen its toxic residual. Required records: record time of pesticide application and pollimator activity.	8	The effectiveness of this technique is based on the ap- plication of pesticides that are moderately toxic to bees and have a relatively short residue half-life and will be unavailable (and nontoxic) to bees if the product drise before dawn.
Application of Nonsys- temic Insecticide When Percamial Crop is Not in Bloom	a, b	Apply posticides when crops are not in bloom to reduce potential exposure of bees and other pollinators visit- ing the crop flowers. Required records : record time of pesticide application, crop stage, and pollinator activity.	4	The effectiveness of this technique is based on the ap- plication of nonsystemic pesticides to perennial crops, where understory weed pressure is typically higher.
Application of Nonsys- temic Insecticide When Append Croppic Not in		Apply pesticides when crops are not in bloom to reduce potential exposure of bees and other pollinators visit- ing the same floware. Required records, record time	0	The effectiveness of this technique is based on the application of nonsystemic pesticides to annual crops with five on no mode



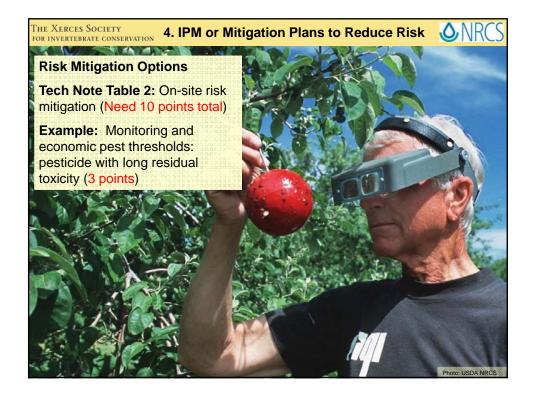


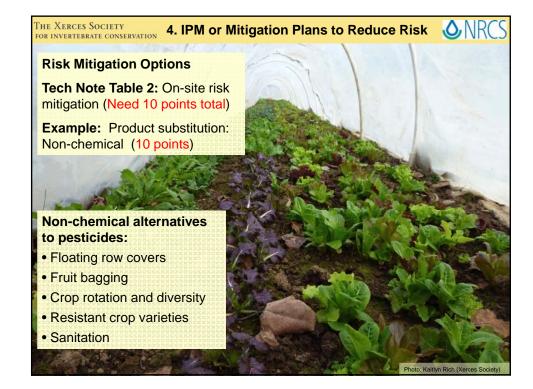


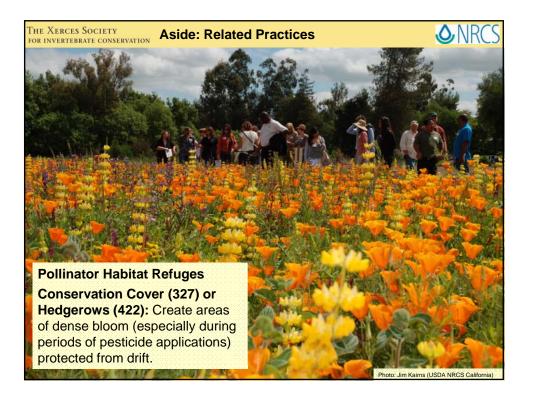


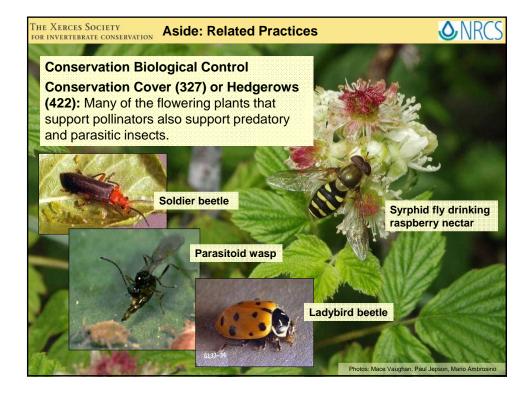




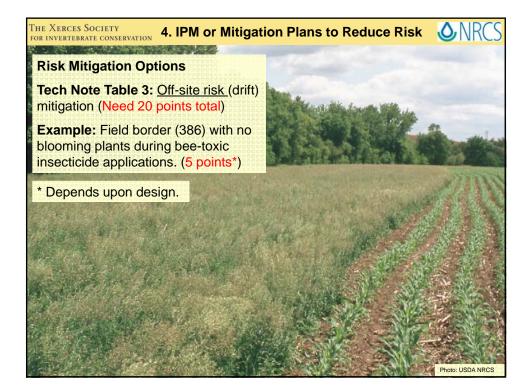


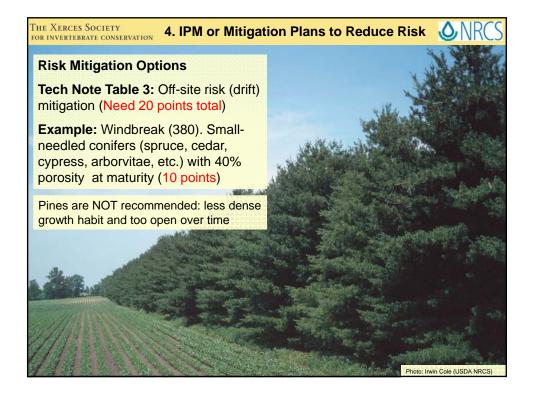


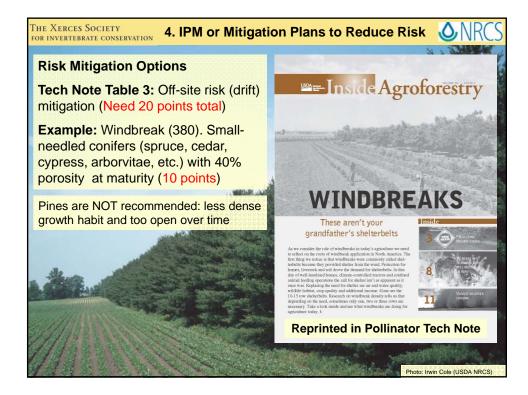


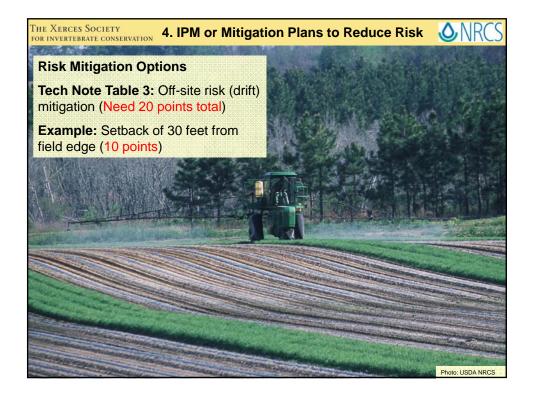


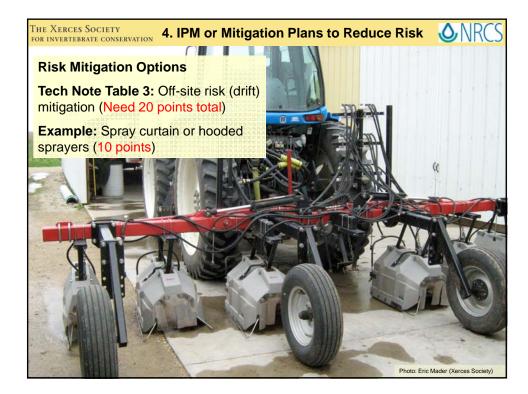






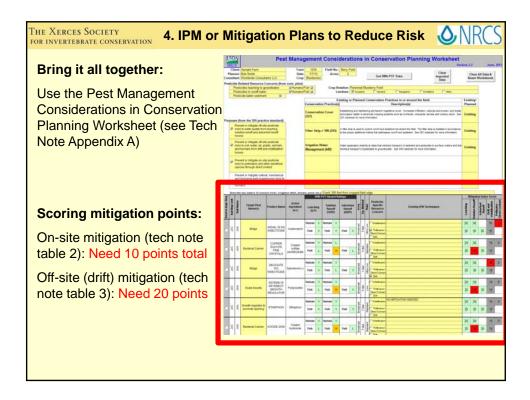




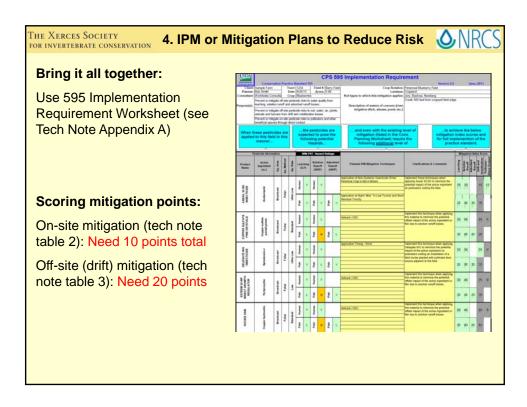


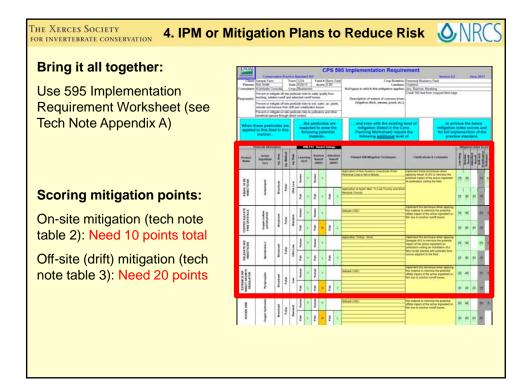


The Xerces Society for invertebrate conservation 4. IPM or	Mi	itigat	ion	Pla	ans to	Rec	luce F	Risk ᠔	NRCS
Bring it all together: Use the Pest Management Considerations in Conservation Planning Worksheet (see Tech Note Appendix A)		Apple of the second secon	erts ILIC contents from problem to examine to problem institute in	Tract Data Orap	1214 Field No. 1517) Acres Flatteres Fut p Cray R	Bury Fast b classics Prevent D Connect of Connect Connect of Connect Connect of Connect of Connect of Connect of Connect Connect of Connect of Connect of Connect of Connect of Connect Connect of Connect of Co	Ger WM PST Der Tener Tener Conservation Pactien in Denrig Tener Server	Cheer Deale Cheer	Existing
Scoring mitigation points: On-site mitigation (tech note table 2): Need 10 points total Off-site (drift) mitigation (tech note table 3): Need 20 points		and standard staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and staff and sta	Harm R and A	Andrew Anter Anter Anterpret Anterpr	Image of a point of the second of the sec		All and a second	Dating PD Techniques	



Describe any waters of concern (river, irrigation ditch, stream, pond, etc.): Creek 300 feet from cropped field edge. VIN.P.ST Hazard Ratings													Mitigation Index Score							
	Soil Map Unit	Soli Name	Target Pest Name(s)	Product Name	Active Ingredient (a.i.)	Leaching (ILP)	Solution Runoff (ISRP)	Adsorbed Runoff (IARP)	Area	Ap. Method	Pesticide- Specific Resource Concern	Existing IPM Techniques	Leaching	Solution Runoff	Adsorbed Runoff	Drift and Volatilization	Dolloutor -			
	JoC	Jory	Midge	ASSAIL 30 SG INSECTICIDE	Acetamiprid	Human V Fish V	Human V Fish V	Fish V	Broadcast	Foliar	Volaritzation		25 25	30 30	35	10 10				
	Joc	Jony	Bacterial Canker	COPPER SULFATE FINE CRYSTALS	Copper sulfate pentahydrate	Human V Fish L	Human L Fish H	Fish L	Broadcast	Folse	Volatilization Polinators Direct Contact		25 25	30 30	35	10 10	Succession of the local division of the loca			
	JoC	Jary	Midge	DELEGATE WG INSECTICIDE	Spinetoram-J	Human V Fish V	Human V Fish L	Fish V	Broadcast	Folar	Polinators Direct Contact		25 25	30 30	35	10 10	CONCERCION OF THE OWNER OWNER OF THE OWNER			
	Joc	Jany	Scale Insects	ESTEEM 35 WP INSECT GROWTH REGULATOR	Pyriproxyfen	Human V Fish L	Human V Fish H	Fish V	Broadcast	Foliar	Volatilization		25 25	30 30	35	10 10	STREET, STREET			
	JoC	Jony	Growth regulator to promote ripening	ETHEPHON	Ethephon	Human V Fish V	Human V Fish V	Fish V	Broadcast	Folar	Volatilization Polinators Direct Contact	NO MITIGATION NEEDED	25 25	30 30	35	10 10	South States			
I	JoC	Jony	Bacterial Canker	KOCIDE 2000	Copper hydroxide	Human V Fish L	Human V Fish H	Fish L	Broadcast	Foliar	Volatilization		25 25	30 30	35	10 10	Succession of the local data			





	RCES SOC RTEBRATE			RVAT	ION		4.	IP	M	or	Mitigation Plans to	Reduce Risk	2)	VF	RC	S				
Pesticide Information					WIN-PST Hazard Rating					15	,		Mitigation Index Score								
Product Name	Active Ingredient (a.i.)	Ap. Area	Ap. Method	Ap. Rate	Lead (II	hing Solution Adsorbed P) (ISRP) (IARP)		noff	Planned IPM Mitigation Techniques	Clarifications & Comments	Leaching	Solution Runoff	Adsorbed Runoff	Drift and Volatilization	Pollinator - Direct Contact						
ASSAIL 30 SG INSECTICIDE	. 30 SG NCIDE niprid Kast		cast lar Low		Human	v	Human	v			Application of Non-Systemic Insecticide When Perennial Crop is Not in Bloom	Implement these techniques when applying Assail 30 SG to minimize the potential impact of the active ingredient on pollinators visiting the field.	25	30		10	12				
ASSAIL	Acetamiprid	Broadcast	Foliar	Ultra Low	Fish	v	Fish	v	Fish	v	Application at Night: Mod. To Low Toxicity and Short Residual Toxicity		25	30	35	10					
OPPER SULFATE FINE CRYSTALS	Copper sulfate pentahydrate	Broadcast	Foliar	Standard	Human	v	Human	L			Setback (100')	Implement this technique when applying this material to minimize the potential offsite impact of the active ingredient on fish due to solution runoff losses.	30	40		20	8				
COPPER FINE CF	Coppe	Broa	Fo	Star	Fish	L	Fish	н	Fish	L			30	40	45	23					
DELEGATE WG INSECTICIDE	Spin etora m J	Broadcast	Foliar	Ultra Low	Human	v	Human	v			Application Timing - Wind	Implement this technique when applying Delegate WG to minimize the potential impact of the active ingredient on pollinators visiting an installation of a field border planted with pollinator food	25	30		20	9				
DELEG	Spinet	Broa	Fo	Ultra	Fish	v	Fish	L	Fish	v		source adjacent to the field.	25	30	35	25					
STEEM 35 WP SECT GROWTH REGULATOR	Pyriproxyfen	Broadcast	Foliar	Low	Human	v	Human	v			Setback (100')	Implement this technique when applying this material to minimize the potential offsite impact of the active ingredient on fish due to solution runoff losses.	30	40		28	9				
ESTEEM INSECT GI REGULL	Pyripn	Broa	Fol	2	Fish	L	Fish	н	Fish	v			30	4 0	4 5						
CIDE 2000	hydroxide	oadcast	lar	tandard	Human	v	Human	v			Setback (100')	Implement this technique when applying this material to minimize the potential offsite impact of the active ingredient on fish due to solution runoff losses.	30	40		28	0				
COD	er h	Broat	Foliar	Stan																	

THE XERCES SOCIETY FOR INVERTEBRATE CONSERVATION CONTRACTING Safer IPM for Pollinators

Using EQIP payments for delivering 595 to protect bees

After planning sufficient mitigation (to meet the standard's criteria):

- 1. Review payment scenarios to find appropriate match for an IPM plan with pollinator protection
- 2. Pick the closest scenario to the amount of work you are asking the client to perform
- 3. Request additional scenarios if they are needed for pollinator protection



