From: Reitz, Stuart
To: Reitz, Stuart
Cc: Casey Prentiss (cprentiss@oda.state.or.us)
Subject: Malheur Onion Maggot Control Order
Date: Tuesday, April 28, 2020 7:59:36 AM

Dear all,

Please remember the Malheur County Onion Maggot Control order remains in effect until July 1 mandating the proper disposal or treatment of culls, including volunteers, to protect this season's onion crop. If you have questions or concerns regarding the Order, please contact Casey Prentiss (see his contact below).

Malheur County Onion Maggot Control Order

The Onion Maggot Control Order 603-052-0360 for Malheur County requires that all cull or waste onions in Malheur County have to be disposed of by a method approved of within this control order prior to March 15th each year. The objective of the control order is to protect the onion industry from the Onion Maggot pest.

Please keep in mind that the cull onion disposal order remains in effect and will be enforced through July 1. All cull or waste onions are required to be disposed of, plowed under and covered by 12 inches of onion-free soil by March 15th at the latest. Additionally, for cull onions produced after the March 15 deadline until July 1 the Control Order permits only a maximum of one week for proper disposal.
Culls include "volunteer" onions growing in last season's fields, which may be planted to another crop at this time. Because the Control Order remains in effect until July 1, volunteer onions still need to be disposed of or treated properly.

The Onion Maggot Control Order offers several disposal options:

A) Disposal by covering in a dump site approved by the Oregon Department of Environmental
Quality (DEQ). Culls and onion debris shall be dumped and covered by at least 12 inches of onion-free soil by March 15 each year;

(B) Disposal by animal feeding: Culls and onion debris shall be completely removed from feeding areas by March 15 and buried under 12 inches of onion-free soil. Onions tramped into the soil so they cannot be removed shall be plowed to a depth of 12 inches;

(C) Disposal by chopping or shredding: Chopped or shredded onion debris that is incapable of
sprouting may be returned to the field at the DEQ-approved tonnage rate which is no higher than 80 tons per acre and plowed to a depth where no onion parts are exposed on the surface;

(D) Composting: All onion debris shall be incorporated into the compost bed and completely covered by 12 inches of onion-free soil;

(E) Disposal of residue in onion producing fields: Commercial onion fields where sort out bulbs are left at harvest shall be disked to destroy the bulbs and shall be plowed to a depth of at least 12 inches by March 15 each year. Seed bulbs shall be disposed of in the same manner following the last harvest;

(F) **Culls may be treated with an EPA-labeled insecticide**. David Priebe of the ODA Pesticides Program has provided the following list of insecticides that can be sprayed on wheat and/or sugar beet fields for onion maggot control.

Please contact the Ontario ODA office at 541-889-5274 or Casey Prentiss directly at 541-212-3361 cprentiss@oda.state.or.us

A SELECTION OF INSECTICIDES REGISTERED IN OREGON THAT MAY BE USEFUL FOR CONTROL OF ONION MAGGOT DUE TO VOLUNTEER ONIONS IN WHEAT AND SUGAR BEET

					Labeled for Use on Wheat				Labeled for Use on Sugar Beet			
INGREDIENT	**CONCENTRATION**	**REGISTRANT NAME**	**EPA #**	**PRODUCT NAME**	**Max Appl. Rate**	**Max Total Rate per crop**	**PHI**	**Application Method**	**Max Appl. Rate**	**Max Total Rate per crop**	**PHI**	**Application Method**
						or Max # Applications	**days**		**Per acre**	**or Max # Applications**	**days**	
PRODUCTS THAT MAY BE EFFECTIVE AGAINST ONION MAGGOT LARVAE												
AZADIRACHTIN	1.20%	AMVAC CHEMICAL CORP	5481-559	ECOZIN PLUS 1.2% ME	56 fl.oz.	?	0	air/ground	56 fl.oz.	?	0	air/ground
AZADIRACHTIN	3.00%	BIOSAFE SYSTEMS	70299-17	AZAGUARD BOTANICAL INSECTICIDE/NEMATICIDE	16 fl.oz.		0	air/ground	16 fl.oz.		0	air/ground
AZADIRACHTIN	3.00%	BIOWORKS INC	68539-11	MOLT-X	10 fl.oz.	?	0	air/ground/chemig.	10 fl.oz.	?	0	air/ground/chemig.
AZADIRACHTIN	6.00%	ARBORJET INC.	81899-4-74578	AZASOL	6 oz.		0	air/ground/chemig.	6 oz.		0	air/ground/chemig.
AZADIRACHTIN/NEEM OIL	0.7% / 65.80%	AGRO LOGISTIC SYSTEMS INC	70310-5	DEBUG TURBO	104 fl.oz.	No limit	0?	air/ground/chemig.	104 fl.oz.	No limit	0?	air/ground/chemig.
AZADIRACHTIN/NEEM OIL	0.7% / 15.04%	AGRO LOGISTIC SYSTEMS INC	70310-7	DEBUG OPTIMO	104 fl.oz.	No limit	0?	air/ground/chemig.	104 fl.oz.	No limit	0?	air/ground/chemig.
AZADIRACHTIN/NEEM OIL	3.00% / 4.70%	AGRO LOGISTIC SYSTEMS INC	70310-8	DEBUG TRES	22.5 fl.oz	No limit	0?	air/ground/chemig.	22.5 fl.oz	No limit	0?	air/ground/chemig.
NEEM OIL	70.00%	AGRO LOGISTIC SYSTEMS INC	70310-11	DEBUG ON	364 fl.oz.	No limit	0?	air/ground/chemig.	364 fl.oz.	No limit	0?	air/ground/chemig.
NEEM OIL	70%	ECOSTADT TECHNOLOGIES LLC	89152-4	ECOWORKS EC	4 pt	?	0	air/ground/chemig.	4 pt	?	0	air/ground/chemig.
NEEM OIL	70%	TERRAMERA INC	88760-10	RANGO	3 qt	?	0	air/ground/chemig.	3 qt	?	0	air/ground/chemig.
CHLORPYRIFOS	39.50%	MAKHTESHIM-AGAN NA DBA ADAMA	66222-233	VULCAN	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	40.20%	Corteva AGROSCIENCES LLC	62719-591	LORSBAN ADVANCED INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	42.50%	MAKHTESHIM AGAN NORTH AMERICA	66222-19	CHLORPYRIFOS 4E AG INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	42.50%	MAKHTESHIM AGAN NORTH AMERICA	66222-19	QUALI-PRO CHLORPYRIFOS 4E INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	Corteva AGROSCIENCES LLC	62719-220	HATCHET INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	DREXEL CHEMICAL	19713-	DREXEL CHLORPYRIFOS	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.

		COMPANY	520	4E-AG INSECTICIDE								
CHLORPYRIFOS	44.90%	HELENA AGRI-ENTERPRISES LLC	62719-220-5905	WHIRLWIND	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	HELENA CHEMICAL COMPANY	62719-220-5905	WHIRLWIND	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	INNVICTIS CROP CARE LLC	89168-24-89391	VESPER	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	INTEGRATED AGRIBUSINESS PROFESSIONALS	62719-220-71058	ERASER INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	LOVELAND PRODUCTS INC	34704-1077	WARHAWK CLEARFORM	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	LOVELAND PRODUCTS INC	34704-857	WARHAWK	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	TENKOZ INC	62719-220-55467	GOVERN 4E INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	44.90%	WINFIELD SOLUTIONS LLC	62719-220-1381	AGRISOLUTIONS YUMA 4E INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	45.00%	GHARDA CHEMICALS INTERNATIONAL INC	93182-7	PILOT 4E CHLORPYRIFOS AG INSECTICIDE	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	45.00%	WINFIELD SOLUTIONS LLC - DIV DIRECT AG	83222-20	CPF 4E	1 pt	2 applic.	28	air/ground/chemig.	2 pt	3 applic.	30	air/ground/chemig.
CHLORPYRIFOS	75.00%	GOWAN CO.	62719-301-10163	LORSBAN 75WG INSECTICIDE	0.67 lb	2 applic.	28	air/ground/chemig.	1.33 lb	3 applic.	30	air/ground/chemig.
SPIROTETRAMAT	22.40%	BAYER CROPSCIENCE	264-1050	MOVENTO	NA	NA	NA	NA	9 fl. oz.	18 fl. oz.	28	air/ground/chemig.
SPIROTETRAMAT	42.86%	BAYER CROPSCIENCE	264-1188	MOVENTO HL	NA	NA	NA	NA	4.5 fl. oz.	9 fl. oz.	28	air/ground/chemig.
PRODUCTS THAT MAY BE EFFECTIVE AGAINST ONION MAGGOT ADULTS												
ALPHA-CYPERMETHRIN	9.88%	BASF CORPORATION	7969-364	FASTAC CS	3.8 fl.oz.	11.4 fl.oz.	14	air/ground/chemig.	3.8 fl.oz.	11.4 fl.oz.	50	air/ground/chemig.
BEAUVERIA BASSIANA GHA/PYRETHRINS	0.06%/0.75%	LAM INTERNATIONAL CORPORATION	82074-5	BOTANIGARD MAXX	2 qt	No limit	0	air/ground/chemig.	2 qt	No limit	0	air/ground/chemig.
BEAUVERIA BASSIANA GHA/PYRETHRINS	0.06%/0.75%	LAM INTERNATIONAL CORPORATION	82074-5	XPECTRO OD	2 qt	No limit	0	air/ground/chemig.	2 qt	No limit	0	air/ground/chemig.
BEAUVERIA BASSIANA GHA	11.30%	LAM INTERNATIONAL CORPORATION	82074-1	BOTEGHA ES	1 qt (3 qt?)	No limit	0	air/ground/chemig.	1 qt (3 qt?)	No limit	0	air/ground/chemig.
BEAUVERIA BASSIANA GHA	11.30%	LAM INTERNATIONAL CORPORATION	82074-1	BOTANIGARD ES	1 qt (3 qt?)	No limit	0	air/ground/chemig.	1 qt (3 qt?)	No limit	0	air/ground/chemig.
BEAUVERIA BASSIANA GHA	11.30%	LAM INTERNATIONAL CORPORATION	82074-1	MYCOTROL ESO	1 qt (3 qt?)	No limit	0	air/ground/chemig.	1 qt (3 qt?)	No limit	0	air/ground/chemig.
CHENOPODIUM AMBROSIODES	16.20%	BAYER CROPSCIENCE	264-1185	REQUIEM PRIME	NA	NA	NA	NA	4 qt	No limit	0	ground
CHENOPODIUM AMBROSIODES	16.75%	BAYER CROPSCIENCE	264-1159	REQUIEM EC	NA	NA	NA	NA	3 qt	No limit	0	air/ground
GAMMA-CYHALOTHRIN	14.40%	FMC CORP - DIV AGRICULTURAL SOLUTIONS	279-3571	DECLARE INSECTICIDE	0.015 lb a.i.	0.03 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	11.40%	UNITED PHOSPHORUS INC -UPI-	70506-121	LAMBDA-CY EC INSECTICIDE-RUP	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	11.40%	UPL NA INC	70506-121	LAMBDA-CY EC INSECTICIDE-RUP	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	11.40%	WINFIELD SOLUTIONS LLC	1381-211	AGRISOLUTIONS GRIZZLY Z INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	11.40%	WINFIELD SOLUTIONS LLC	83222-42	LAMBDA-CY AG	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.00%	FARMHANNONG AMERICA INC	71532-25-91026	LAMBDASTAR 1 CS INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.00%	LG LIFE SCIENCE AMERICA INC.	71532-25-91026	LAMBDASTAR 1 CS INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.60%	DREXEL CHEMICAL COMPANY	19713-572	DREXEL L-C INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.70%	MAKHTESHIM-AGAN NA DBA ADAMA	66222-104	SILENCER INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.70%	WILLOWOOD LLC -USA-	66222-104-87290	WILLOWOOD LAMBDA 1EC	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.70%	MAKHTESHIM-AGAN NA DBA ADAMA	66222-223	ADAMA SILENCER VXN	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.70%	UNITED SUPPLIERS C/O WINFIELD SOLUTIONS LLC	33270-41	PARADIGM VC	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.70%	UNITED SUPPLIERS C/O WINFIELD SOLUTIONS LLC	66222-223-33270	UNITED SUPPLIERS PARADIGM INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	12.70%	WINFIELD SOLUTIONS LLC	33270-41	PARADIGM VC	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA

LAMBDA-CYHALOTHRIN	13.00%	NUFARM AMERICAS INC	228-708	NuFARM LAMBDA-CYHALOTHRIN 1 EC INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.00%	SELECT SOURCE	86869-5	LAMBDA SELECT	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	ATTICUS LLC	91234-55	SERPENT 1 EC	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	FARMHANNONG AMERICA INC	71532-20-91026	LAMBDASTAR INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	HELM AGRO US INC.	74530-38	KENDO INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	INNVICTIS CROP CARE LLC	89168-16-89391	RAVAGE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	LG LIFE SCIENCE AMERICA INC.	71532-20-91026	LAMBDASTAR INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	TIGRIS LLC	92647-21	TIGRIS LAMBDA	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	13.10%	WILLOWOOD LLC -USA-	87290-24	WILLOWOOD LAMBDA-CY 1EC	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	22.80%	HELM AGRO US INC.	74530-54	HELM KENDO 22.8 CS	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	22.80%	SYNGENTA CROP PROTECTION INC.	100-1295	LAMCAP II INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	22.80%	SYNGENTA CROP PROTECTION INC.	100-1295	WARRIOR II W/ZEON TECHNOLOGY INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	22.80%	TENKOZ INC	100-1295-55467	PROVINCE II INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	22.80%	WINFIELD SOLUTIONS LLC	100-1295-1381	GRIZZLY TOO	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	23.28%	FARMHANNONG AMERICA INC	71532-29-91026	LAMBDASTAR PLUS INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
LAMBDA-CYHALOTHRIN	23.28%	LG LIFE SCIENCE AMERICA INC.	71532-29-91026	LAMBDASTAR PLUS INSECTICIDE	0.03 lb. a.i.	0.06 lb. a.i.	30	air/ground/chemig.	NA	NA	NA	NA
MALATHION	56.80%	WINFIELD SOLUTIONS LLC	9779-5	AGRISOLUTIONS MALATHION 5	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	57%	CENTRAL GARDEN & PET COMPANY	89459-36	MALATHION LIQUID CONC	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	57.00%	CONTROL SOLUTIONS INC	279-3607-53883	MARTINS MALATHION 57%	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	57.00%	DREXEL CHEMICAL COMPANY	19713-217	DREXEL MALATHION 5EC INSECTICIDE/MITICIDE	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	57.00%	FMC CORP - DIV AGRICULTURAL SOLUTIONS	279-3607	FYFANON 57% EC	1.0 lb. a.i.	2 applic.	7	air/ground	NA	NA	NA	NA
MALATHION	57.00%	LOVELAND PRODUCTS INC	34704-108	MALATHION 57 EC	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	79.50%	GOWAN CO.	10163-21	GOWAN MALATHION 8 FLOWABLE	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	81.80%	HELENA CHEMICAL COMPANY	5905-250	FYFANON 8 LB EMULSION	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
MALATHION	81.80%	LOVELAND PRODUCTS INC	34704-474	MALATHION 8 AQUAMUL	1.0 lb. a.i.	2 applic.	7	air/ground/chemig.	NA	NA	NA	NA
NALED	62.00%	AMVAC CHEMICAL CORP	5481-479	DIBROM 8 EMULSIVE	NA	NA	NA	NA	1 pt	5 applic.	2	air/ground
PYRETHRINS	1.40%	MCLAUGHLIN GORMLEY KING (MGK)	1021-1771	PYGANIC CROP PROTECTION EC 1.4 II	2 qt	10 applic.	0	air/ground/chemig.	2 qt	10 applic.	0	air/ground/chemig.
PYRETHRINS	1.40%	LAM INTERNATIONAL CORPORATION	82074-6	LYNX EC 1.4	2 qt	Repeat as required?	0?	air/ground/chemig.	2 qt	Repeat as required?	0?	air/ground/chemig.
PYRETHRINS/AZADIRACHTIN	1.4% / 1.2%	MCLAUGHLIN GORMLEY KING (MGK)	1021-1872	AZERA INSECTICIDE	0.05 lb. a.i.	10 applic.	0	air/ground/chemig.	0.05 lb. a.i.	10 applic.	0	air/ground/chemig.
PYRETHRINS	5.00%	LAM INTERNATIONAL CORPORATION	82074-7	LYNX EC 5.0	17 fl.oz.	Repeat as required?	0?	air/ground/chemig.	17 fl.oz.	Repeat as required?	0?	air/ground/chemig.
PYRETHRINS	5.00%	MCLAUGHLIN GORMLEY KING (MGK)	1021-1772	PYGANIC CROP PROTECTION EC 5.0 II	15.6 fl.oz.	10 applic.	0?	air/ground/chemig.	15.6 fl.oz.	10 applic.	0?	air/ground/chemig.
PYRETHRINS	5.00%	MCLAUGHLIN GORMLEY KING (MGK)	1021-2616	TERSUS INSECTICIDE	16.35 fl.oz.	10 applic.	0?	air/ground/chemig.	16.35 fl.oz.	10 applic.	0?	air/ground/chemig.
PYRETHRINS	6%	CENTRAL GARDEN & PET COMPANY	89459-26	PYRONYL CROP SPRAY	0.05 lb. a.i.	10 applic.	0	air/ground/chemig.	0.05 lb. a.i.	10 applic.	0	air/ground/chemig.
PYRETHRINS	6.00%	MCLAUGHLIN GORMLEY KING (MGK)	1021-1770	EVERGREEN CROP PROTECTION EC 60-6	12.6 fl.oz.	10 applic.	0?	air/ground/chemig.	12.6 fl.oz.	10 applic.	0?	air/ground/chemig.
PYRETHRINS	6.00%	MCLAUGHLIN GORMLEY KING (MGK)	1021-1770	EVERGREEN PRO 60-6	12.6 fl.oz.	10 applic.	0?	air/ground/chemig.	12.6 fl.oz.	10 applic.	0?	air/ground/chemig.
PYRETHRINS	6.00%	MCLAUGHLIN GORMLEY KING (MGK)	1021-1770	PEST XPERT PYRETHRUM PBO PLUS CONC	12.6 fl.oz.	10 applic.	0?	air/ground	12.6 fl.oz.	10 applic.	0?	air/ground
ZETA-CYPERMETHRIN	17.10%	FMC CORP - DIV AGRICULTURAL SOLUTIONS	279-3126	MUSTANG INSECTICIDE	0.05 lb. a.i.	0.25 lb. a.i.	14	air/ground/chemig.	0.05 lb. a.i.	0.15 lb. a.i.	50	air/ground/chemig.
ZETA-CYPERMETHRIN	9.15%	FMC CORP - DIV AGRICULTURAL SOLUTIONS	279-3426	MUSTANG MAXX INSECTICIDE	0.025 lb. a.i.	0.125 lb. a.i.	14	air/ground/chemig.	0.025 lb. a.i.	0.075 lb. a.i.	50	air/ground/chemig.
ZETA-CYPERMETHRIN/CHLORPYRIFOS	3.08%/30.8%	FMC CORP - DIV AGRICULTURAL SOLUTIONS	279-9545	STALLION BRAND INSECTICIDE	11.75 fl.oz.	23.5 fl.oz.	28	air/ground/chemig.	11.75 fl.oz.	36 fl.oz.	50	air/ground/chemig.

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