

NESARE PEST MANAGEMENT INFORMATION: 2010 (NOTE: The area set aside for the project in 2009 was chisel-plowed and planted to rye.)

Rotation	Crop	Date of planting	Seed Treatments	Pre-emergence Treatment(s)	Post-emergence Treatment(s)
Forage Rotation	Alfalfa and Orchardgrass (Years 1 & 2)	Apr 15	Alf - Mefenoxam fungicide	Apr 14: Rye killed with 22 oz/A Roundup Powermax	June 28: Cutting taken early for potato leaf hopper July 7: Warrior insecticide @ 3 oz/A
	Alfalfa and Orchardgrass (Fall Plant)	Aug 28	Alf - Mefenoxam fungicide	July 27: Plots were rotary harrowed Aug 17: Volunteer canola + weeds killed with 32 oz/A Roundup Powermax	Oct 19: Newly seeded alfalfa sprayed with Buctril @ 1.5 pt/A and Butyrac @ 1 qt/A to kill canola
	Canola (Spring)	Apr 24	Difenoconazole, metalaxyl-M, & fludioxonil fungicides + thiamethoxam insecticide	Apr 14: Rye killed with 22 oz/A Roundup Powermax	None
	Canola (Fall)	Sept 16	None	None	None
	Corn Silage	May 26	Fludioxonil, mefenoxam, & azoxystrobin fungicides + thiamethoxam insecticide	Apr 19: Rye killed with 22 oz/A Roundup Powermax	June 18: Roundup Powermax @ 22 oz/A
	Hairy Vetch + Oats	Sept 1	None	Aug 17: Plots sprayed with Roundup Powermax @ 32 oz/A	None
	Red Clover	Apr 15	None	No herbicide; red clover was drilled into rye	None
	Rye (instead of wheat/ 2009)	Nov 2009	None	No herbicide; ground was chisel-plowed before planting	None
	Winter Wheat	Oct 17	Difenoconazole & mefenoxam fungicides	None	Scout for weeds in Spring 2011
Corn-Soy Rotation	Corn Grain	May 26	Fludioxonil, mefenoxam, & azoxystrobin fungicides + thiamethoxam insecticide	Apr 19: Rye killed with 22 oz/A Roundup Powermax May 28: SureStart @ 1.75 pt/A and Atrazine 4L@1qt/A	June 18: Roundup Powermax @ 22 oz/A and Warrior insecticide @ 3.5 oz/A
	Soybean	May 27	Acceleron®	May 19: Rye killed with 22 oz/A Roundup Powermax	June 29: Roundup Powermax @ 22 oz/A

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Grain Rotation	Alfalfa (SH) (Year 1)	Apr 15	Mefenoxam fungicide	Apr 14: Rye killed with 22 oz/A Roundup Powermax	June 28: Cutting taken early for potato leaf hopper July 7: Warrior insecticide @ 3 oz/A
	Alf+Og, Trit+Pea (RH), (Year 1)	Apr 15 Apr 19	Alf - Mefenoxam fungicide	Apr 14: Rye killed with 22 oz/A Roundup Powermax	June 28: Cutting taken early for potato leaf hopper Aug 9: Warrior insecticide @ 3 oz/A
	Alfalfa (SH) & Alf+Og (RH) (Years 2 & 3)	Apr 15	Alf - Mefenoxam fungicide	Apr 14: Rye killed with 22 oz/A Roundup Powermax	June 28: Cutting taken early for potato leaf hopper July 7: Warrior insecticide @ 3 oz/A
	Canola & Canola+Oats (Spring Plant)	Apr 24	Difenoconazole, metalaxyl-M, & fludioxonil fungicides + thiamethoxam insecticide	Apr 14: Rye killed with 22 oz/A Roundup Powermax	None
	Canola & Canola+Oats (Fall Plant)	Sept 11	None	Aug 17: All 3rd yr alfalfa plots killed w/ 2,4 D LVE @ 1 pt/A and 32 oz/A Roundup Powermax RH only: Plots were plowed (Aug 31), disked & tined (Sep 1), & culti-mulched (Sep 11)	None
	Corn Grain	May 25	Fludioxonil, mefenoxam, & azoxystrobin fungicides + thiamethoxam insecticide	Apr 19: Rye killed with 22 oz/A Roundup Powermax May 25 (SH): Broadcast herbicides: Prowl H2O @ 3 pts/A and Dual II Mag @ 1.67 pts/A May 25 (RH): 12-in banded: Prowl H2O @ 3 pt/A, Dual II Mag @ 1.67 pt/A, and Callisto @ 3 oz/A	June 18 (SH): Status @ 5 oz/A, UAN (5 qts/100 gal), & NIS June 18 & 25 (RH): High residue cultivation
	Rye	Sept 22 (Ca, R) Oct 24 (R,S,R)	None	July 27: Plots were rotary harrowed Aug 27 (Ca, R only): Sprayed with 32 oz Roundup Powermax and 2-4 D LVE @ 1 pt/A	None
	Soybeans	May 25 (RH) May 27 (SH)	None	May 19: Rye killed with 22 oz/A Roundup Powermax May 21: Rye rolled down in Blocks I-III (IV: no rye) May 25 (RH): 12-in banded: Valor XLT @ 3 oz/A and Dual II Mag PRE @ 1.67 pt/A May 27 (SH): Broadcast herbicides: Valor XLT PRE @ 3 oz/A	June 25 & July 2 (RH): High residue cultivation June 29 (SH): Roundup Powermax @ 22 oz/A

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2,4 D LVE: 2,4 D

Atrazine 4L: atrazine

Buctril: bromoxynil

Butyrac: 2,4 DB

Callisto: mesotrione

Dual II Mag: S-metolachlor

Prowl H2O: pendimethalin

Status: dicamba + diflufenzopor

SureStart: acetochlor + flumetsulam + clopyralid

Valor XLT: fumioxazin + cloransulam methyl

Roundup Powermax: glyphosate

* 22 oz (0.75 lb/A)

* 32 oz (1.125 lb/A glyphosate + 2 lb AMS/A)

Warrior Insecticide: lambda-cyhalothrin