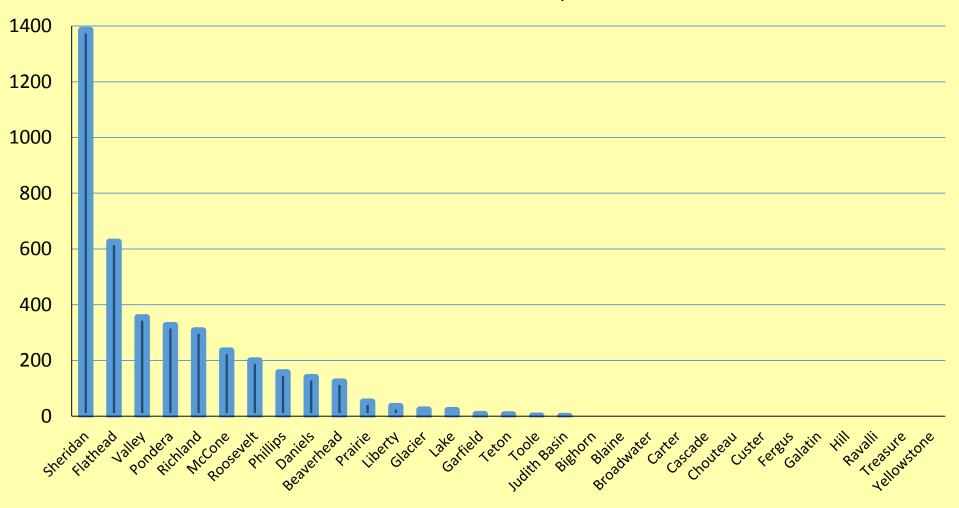


27 counties265 traps297 owbm per trap (avg.)

31 counties275 traps238 owbm per trap (avg.)

Mean Adult Count Per Trap - 2015









25 to 40 percent parasitism rates



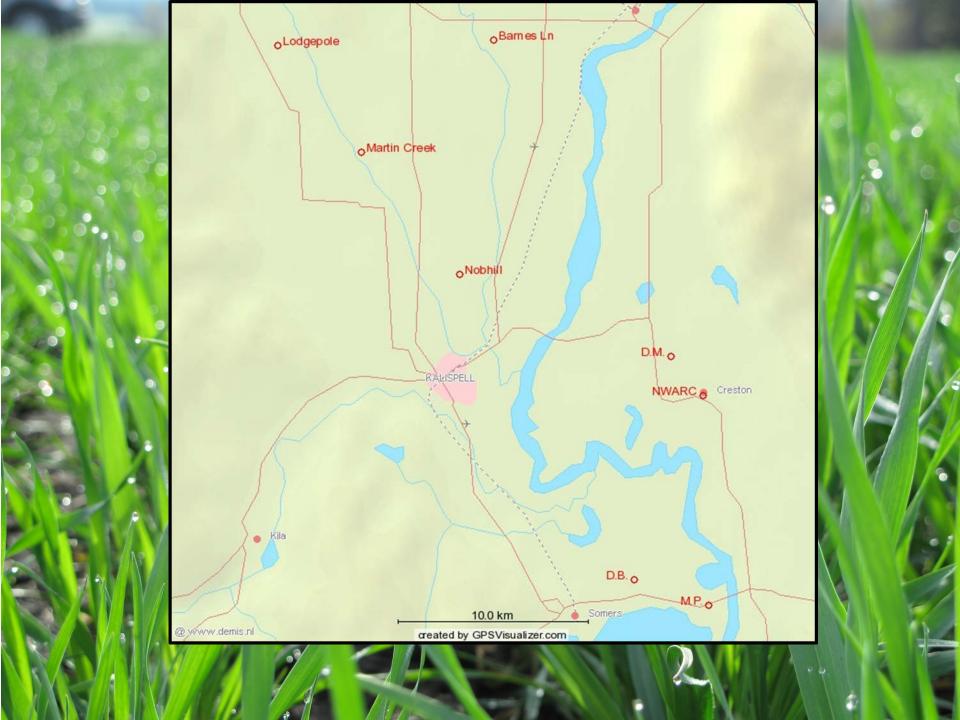




Macroglenes penetrans

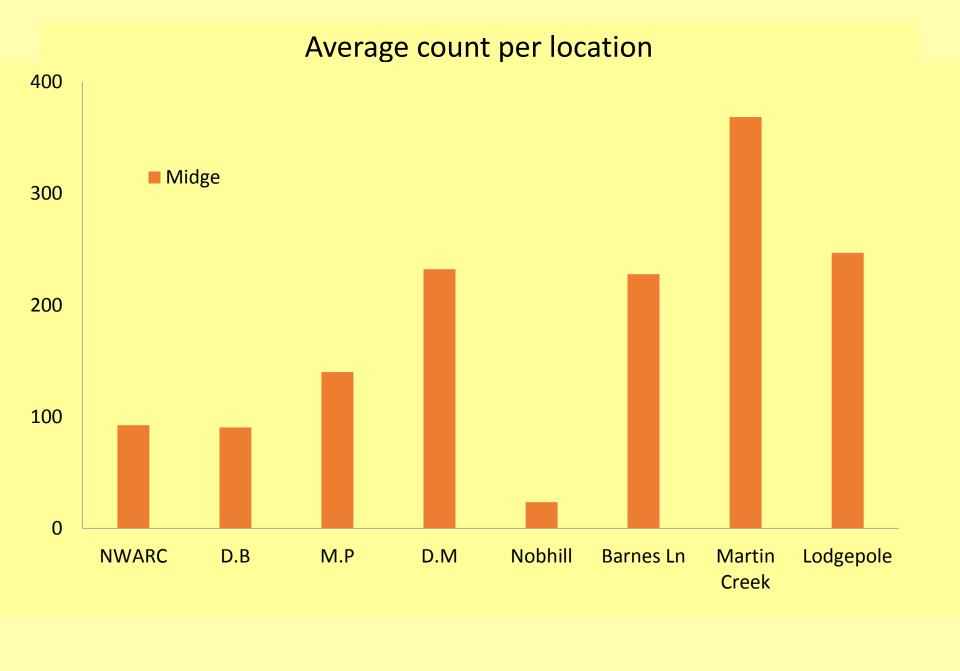
	Wheat Midge Cocoons, Fall 2014	
No/m2	Parasitized	No/m2
initial	%	corrected
1821	41	1071
321	38	201
71	50	36
71	100	0
71	50	36
71	50	36
0	NA	0
0	NA	0

- Monitor midge and wasp distribution in Flathead County.
- Determine degree day requirements for 10, 50 and 90% emergence of midge and parasitoid.
- Compare observed results with published predictive models.

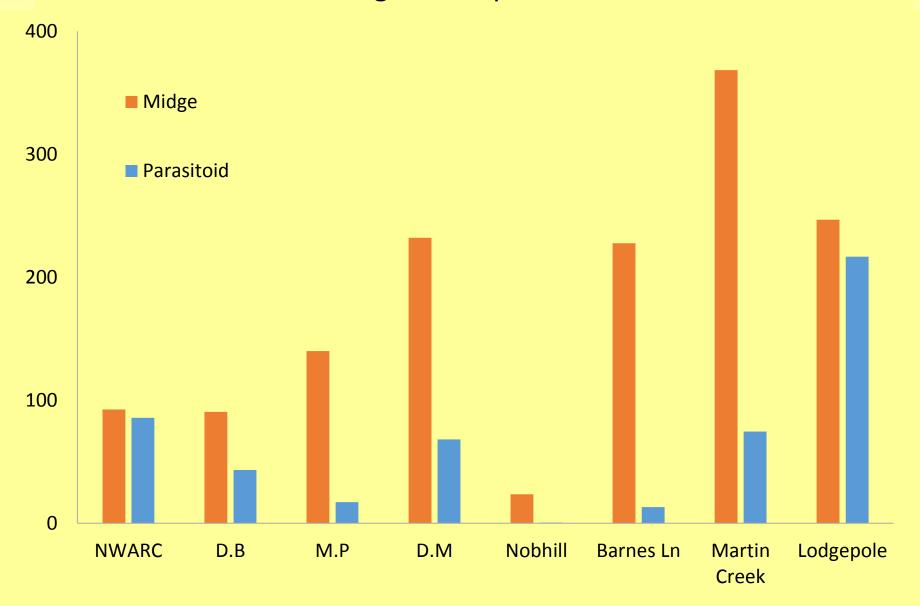












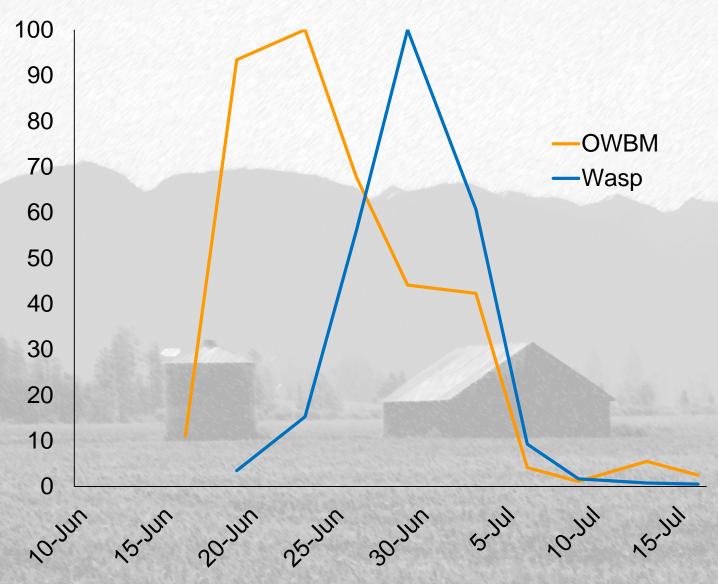
Category		N	∕lidge em	ergence (%)	e (%)							
	10%		5	0%	90%							
	GDD	Date	GDD	Date	GDD	Date						
Observed	1029	16-Jun	1184	23-Jun	1363	29-Jun						
Published	ublished 1300 27-		.7-Jun 1475 2-Ju		1600	7-Jul						

T:40°F

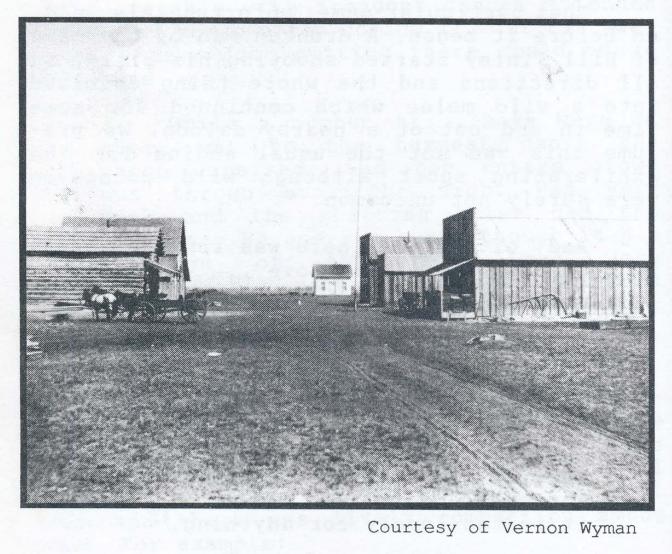
Category		Pai	rasitoid e	mergence (9	%)		
	10%		5	0%	90%		
	GDD	Date	GDD	Date	GDD	Date	
Observed	479	20-Jun	567	26-Jun	670	30-Jun	
Published	450	18-Jun	503	22-Jun	579	26-Jun	

T:48°F

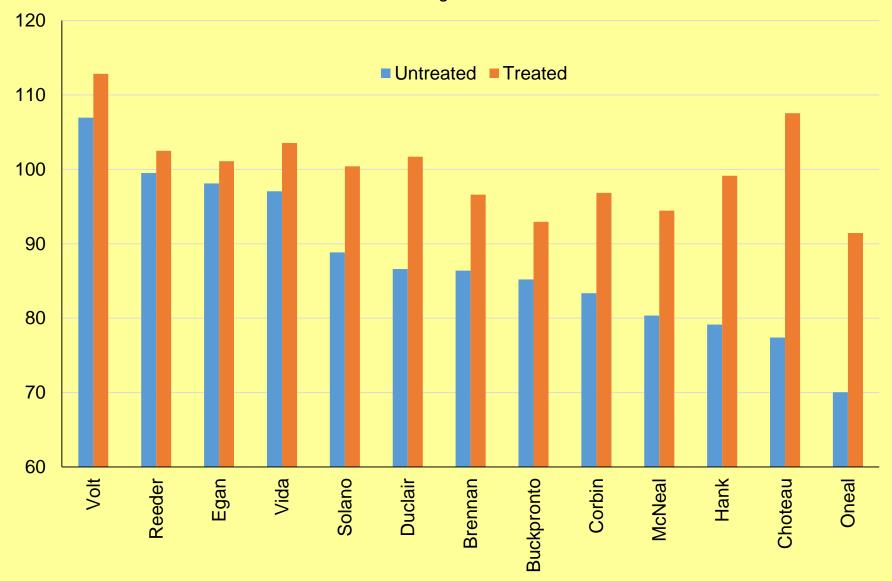
Percent Emergence

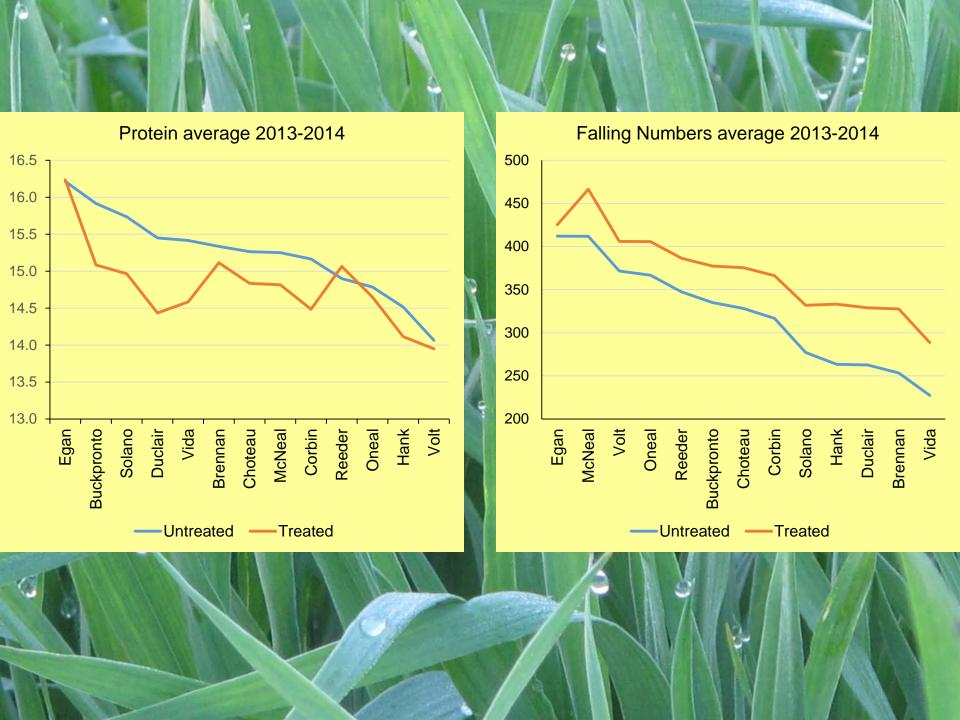


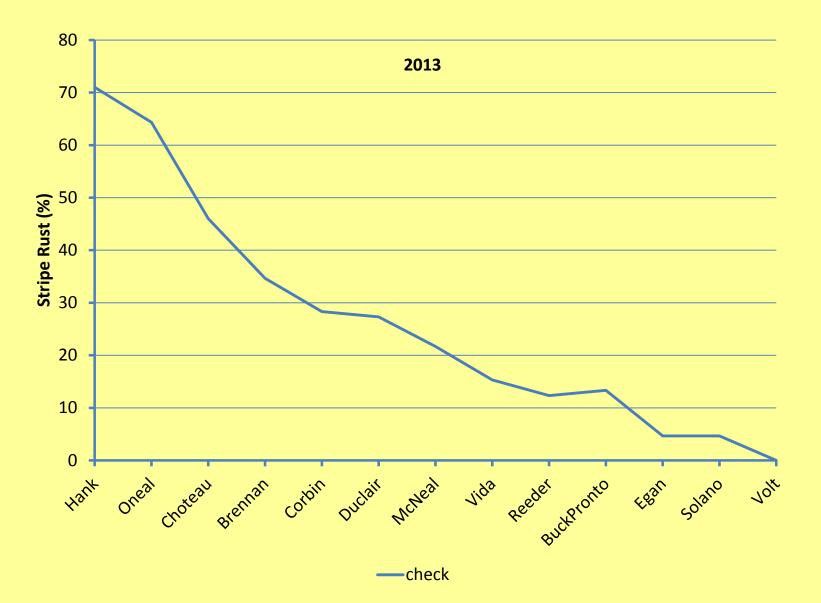




Town of Egan, 1889

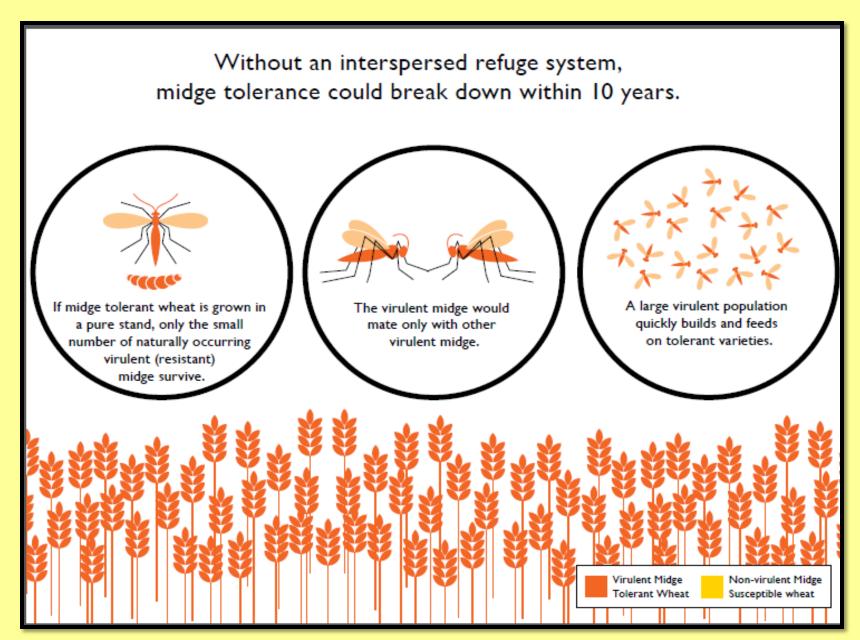


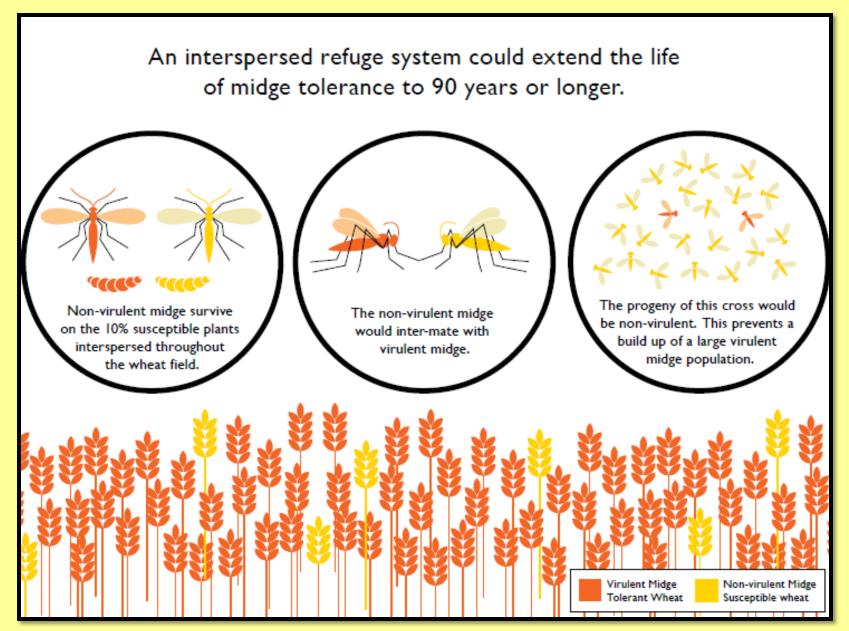




Effect of Sm1 genetic resistance on OWBM, 2012.

	OWBM	Yield	Protein	TWT	FN
Cultivar	no./spk	bu/A	%	lb/bu	sec
REEDER	46	34	16.7	59	180
HANK	102	15	16.1	52	193
EGAN	0	52	17.8	56	326





Evaluation of the interspersed refuge system for OWBM management - 2015

	Yield		Protein		Test weight		OWBM		Falling Number	
	Site 1	Site 2	Site 1	Site 2	Site 1	Site 2	Site 1	Site 2	Site 1	Site 2
Refuge	109.0	55.0	15.3	15.6	61.3	59.7	0.0	0.0	453.5	501.9
Solano	100.0	52.0	15.0	15.5	61.8	60.8	3.0	8.0	355.1	296.2





- 1. SEED PARTNER agrees to sell EGAN as a CERTIFIED BLEND. The certified class seed will be a blend with 90% EGAN that is resistant to the midge and 10% of a variety that is susceptible to the midge. It is recommended that the blend variety have similar agronomic characteristics to EGAN.
- 2. SEED PARTNER will instruct and require a signature from the purchaser that all commercial grain harvested is for end-use only and this grain is not for replanting. SEED PARTNER will also instruct the marketer of retail sales that grain from the CERTIFIED BLEND is not for replanting.
- 3. SEED PARTNER must notify MSU of the recipient of a sale of Registered Class Seed for seed increase. Registered seed that is downgraded must be sold as a CERTIFIED BLEND.



Egan School on November 7, 1904.

