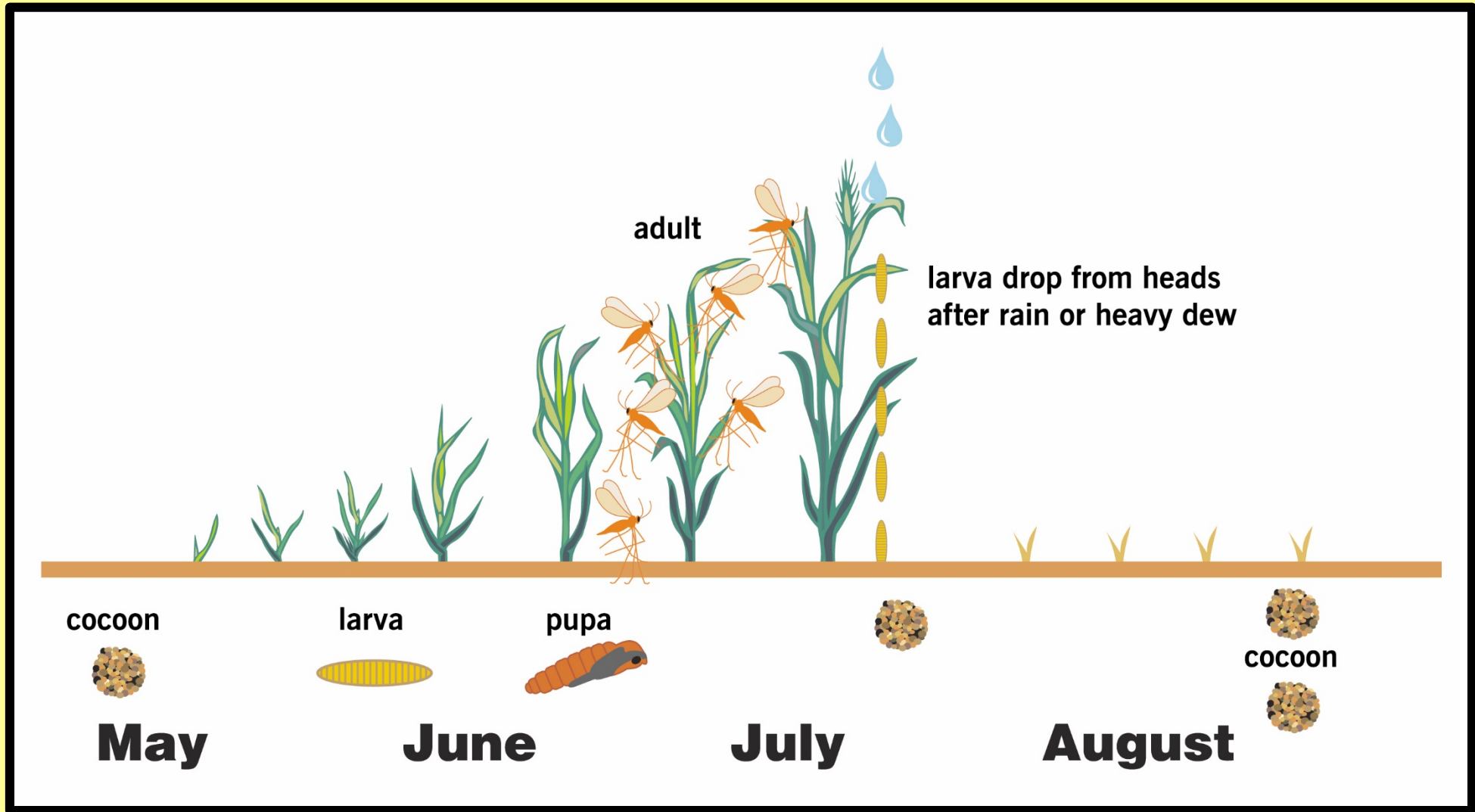
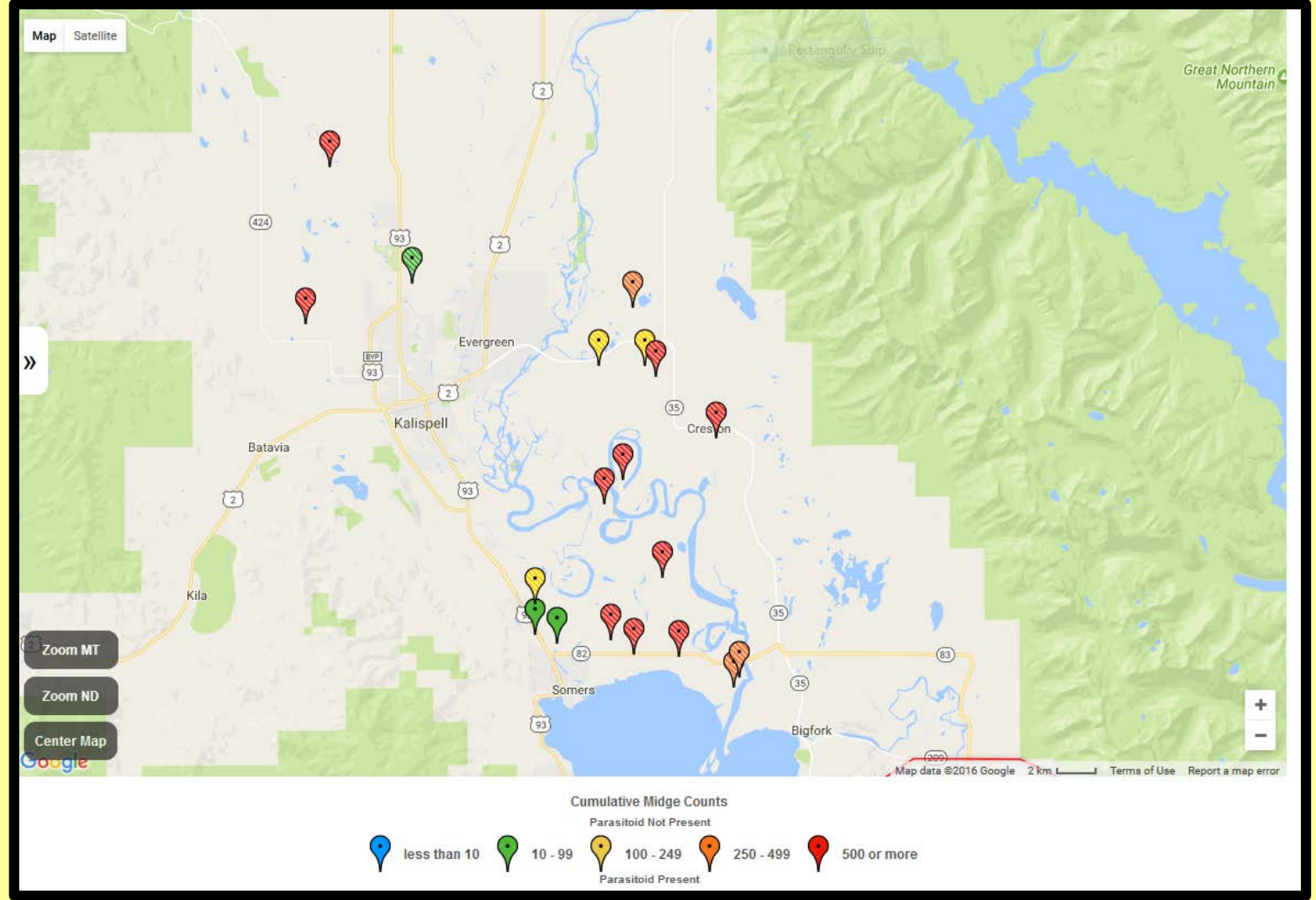


WHEAT MIDGE STATUS REPORT 2016

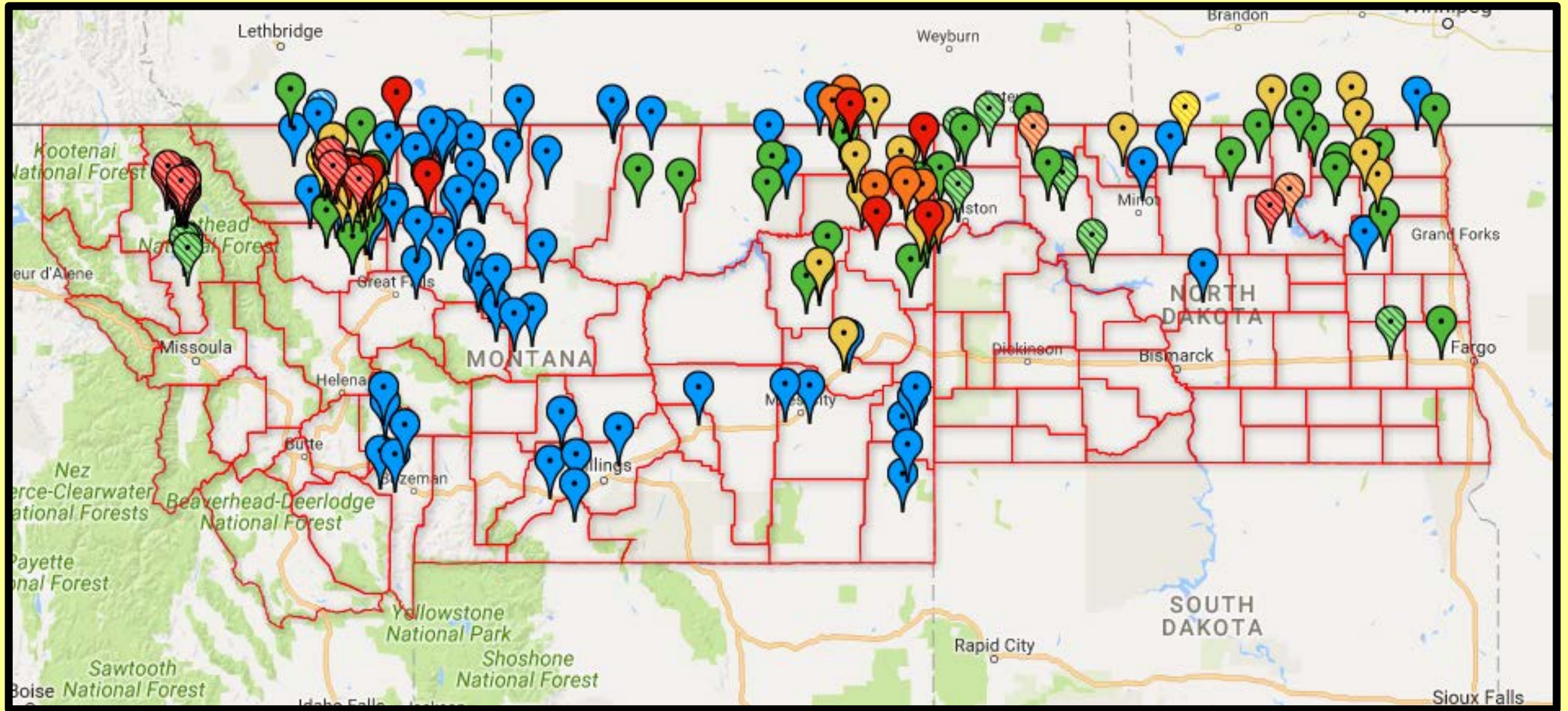




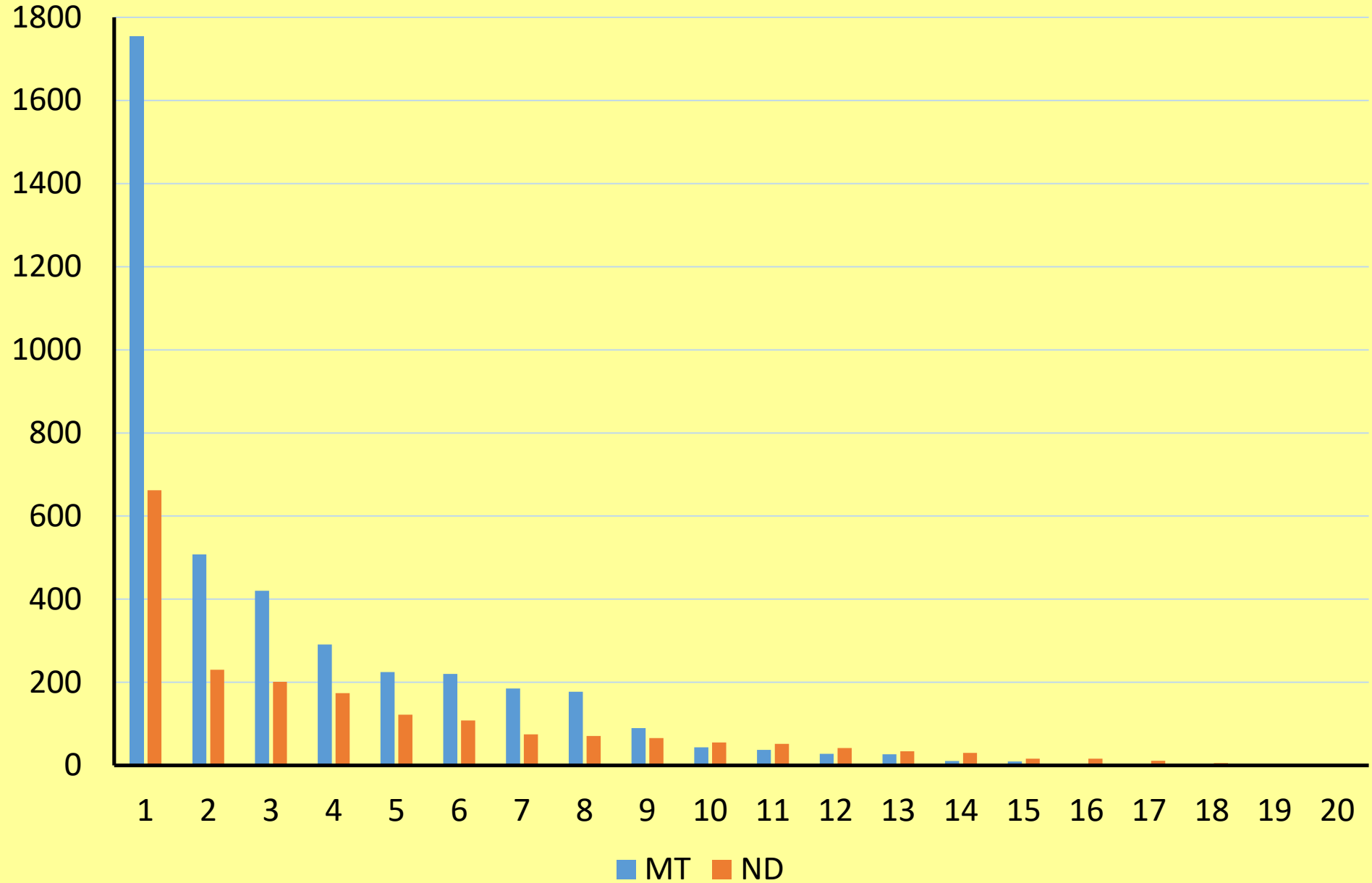
Development is driven by temperature



2 States, 35 Volunteers, 51 Counties, 204 Fields



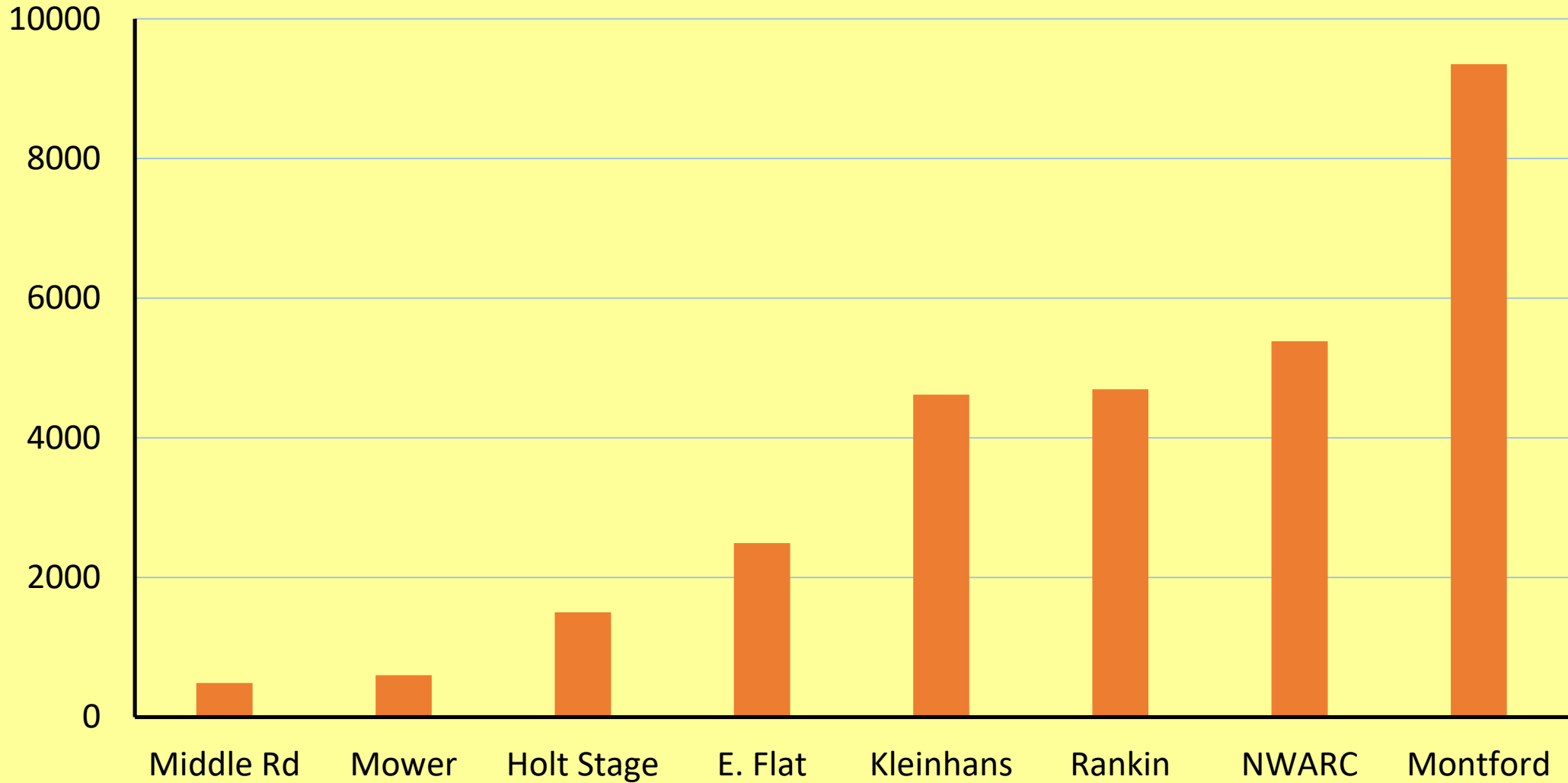
Average Trap Catch in MT & ND, 2016



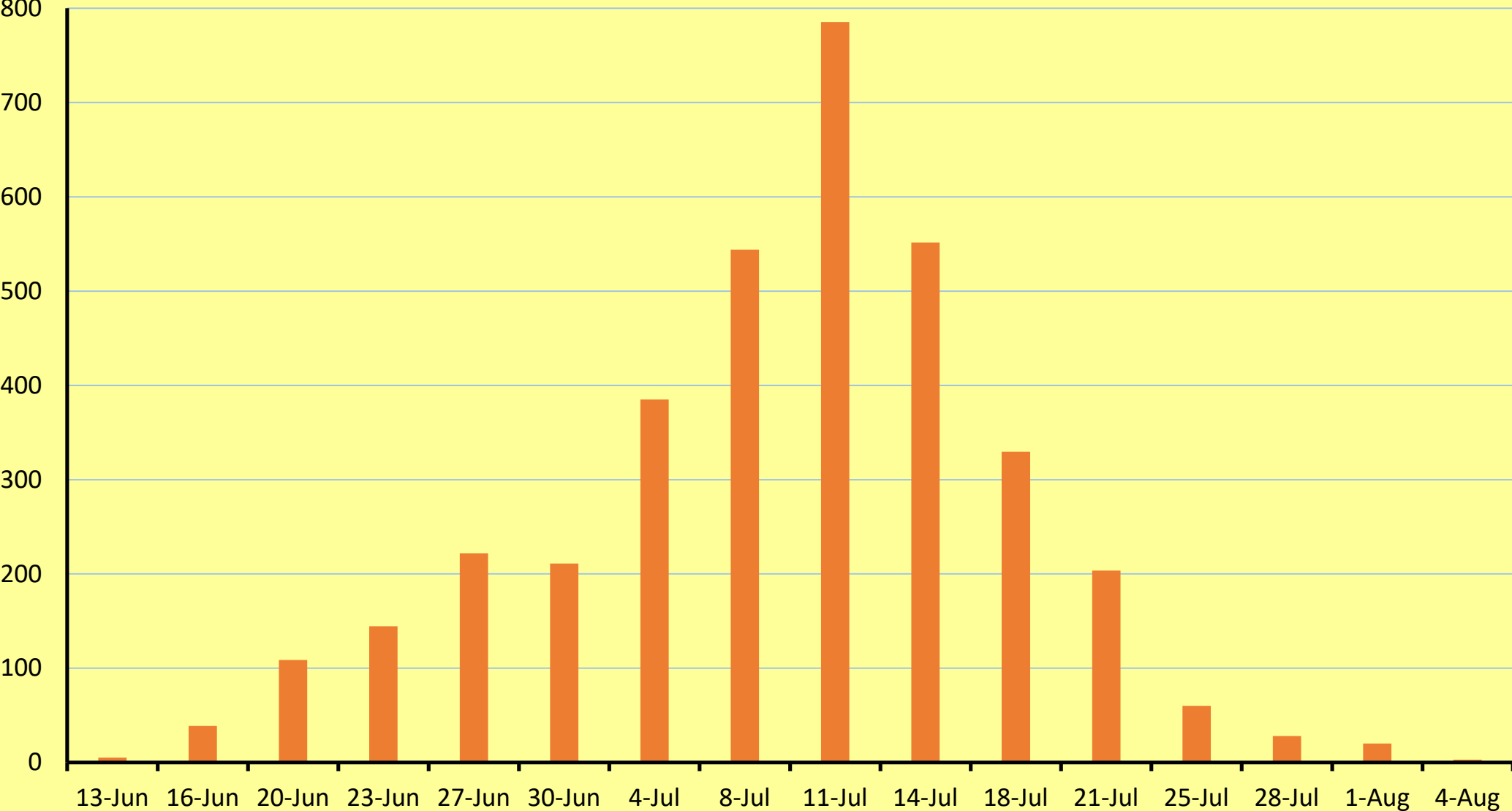
Pestweb Summary for Montana, 2016.

Participating County	Number of Traps	Total Trap Count	Average Count Per Trap	Participating County	Number of Traps	Total Trap Count	Average Count Per Trap
Flathead	22	38582	1754	Chouteau	10	9	1
Pondera	22	11170	508	Blaine	3	6	2
Richland	7	2943	420	Broadwater	2	4	2
Roosevelt	7	1540	220	Carter	3	3	1
Toole	8	1479	185	Fallon	2	3	2
Daniels	8	1417	177	Carbon	1	0	0
Sheridan	4	1164	291	Cascade	1	0	0
Liberty	5	1123	225	Custer	1	0	0
McCone	4	360	90	Fergus	5	0	0
Glacier	5	186	37	Gallatin	3	0	0
Prairie	3	130	43	Hill	11	0	0
Teton	13	122	9	Judith Basin	2	0	0
Phillips	3	81	27	Stillwater	3	0	0
Lake	2	56	28	Treasure	1	0	0
Valley	3	32	11	Yellowstone	1	0	0

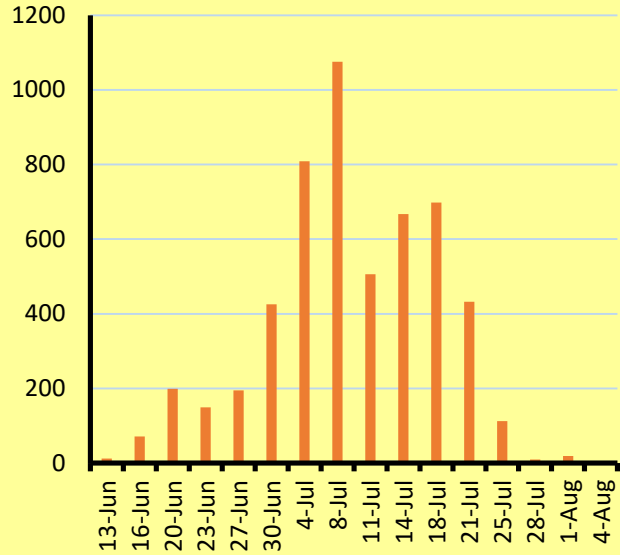
Flathead County Total Seasonal Midge Populations, 2016



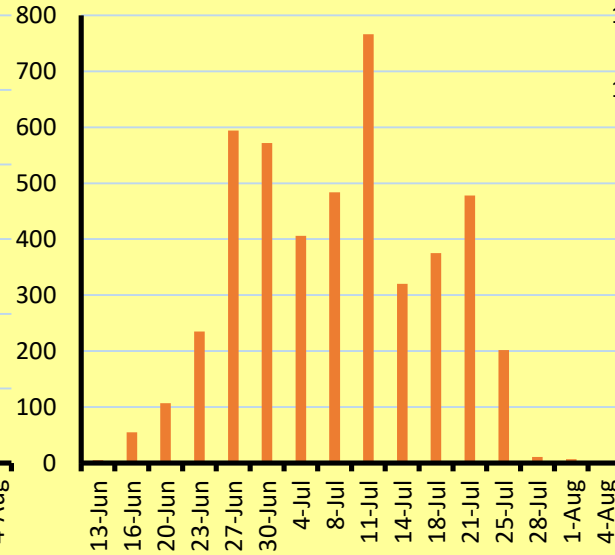
Average Midge Emergence, 2016



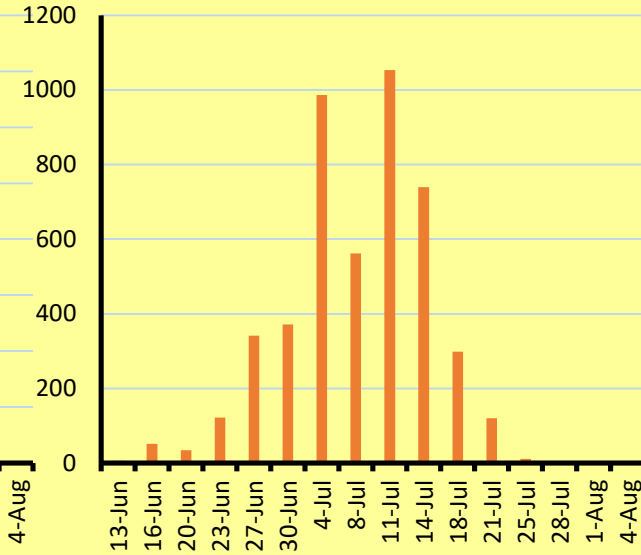
NWARC



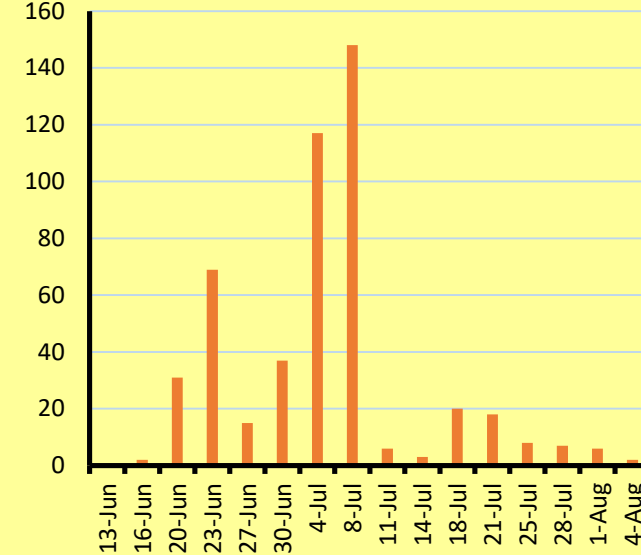
Kleinhans



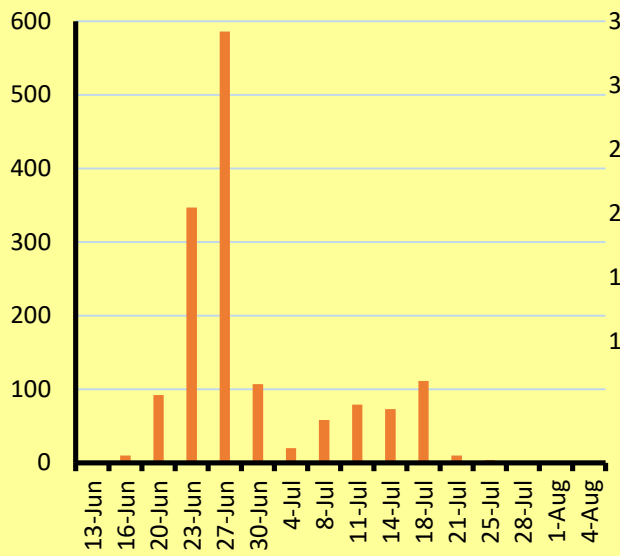
Rankin



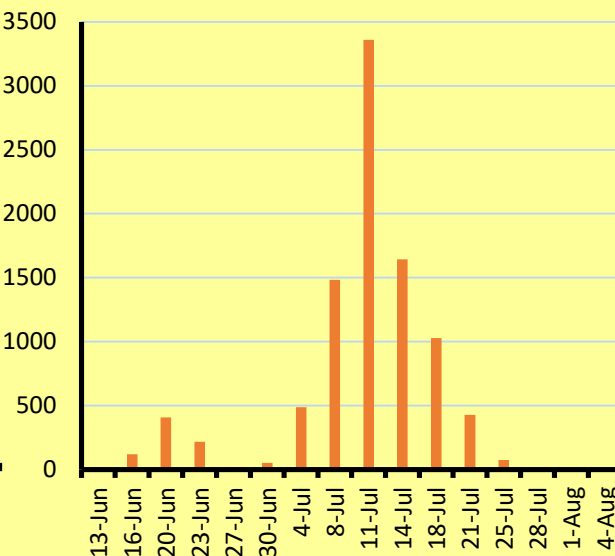
Middle Rd



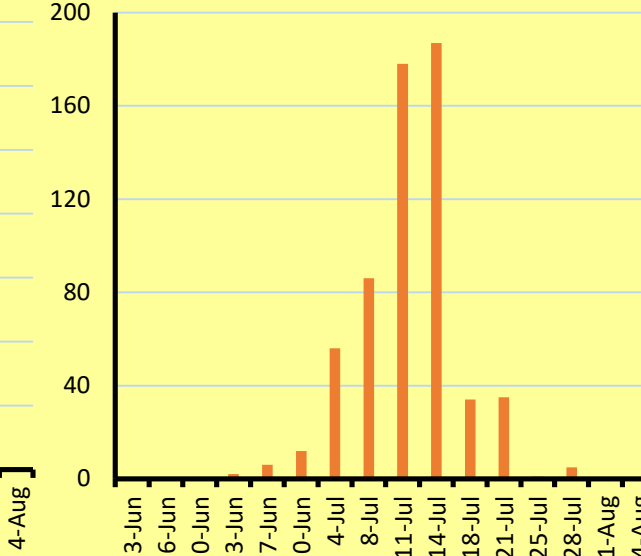
Holt Stage Rd



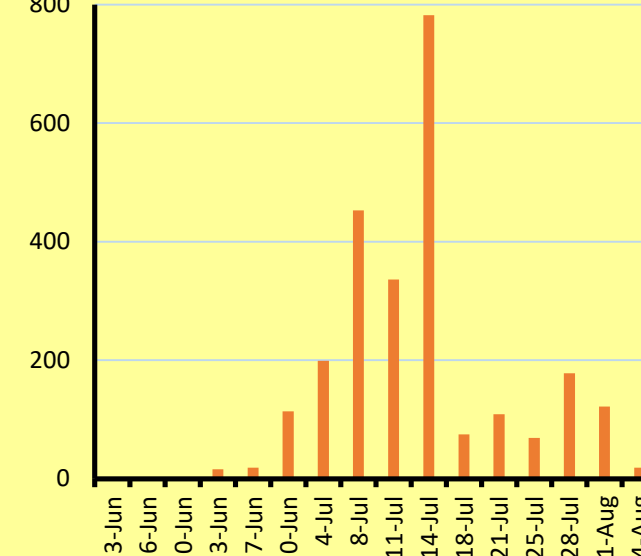
Montford Rd

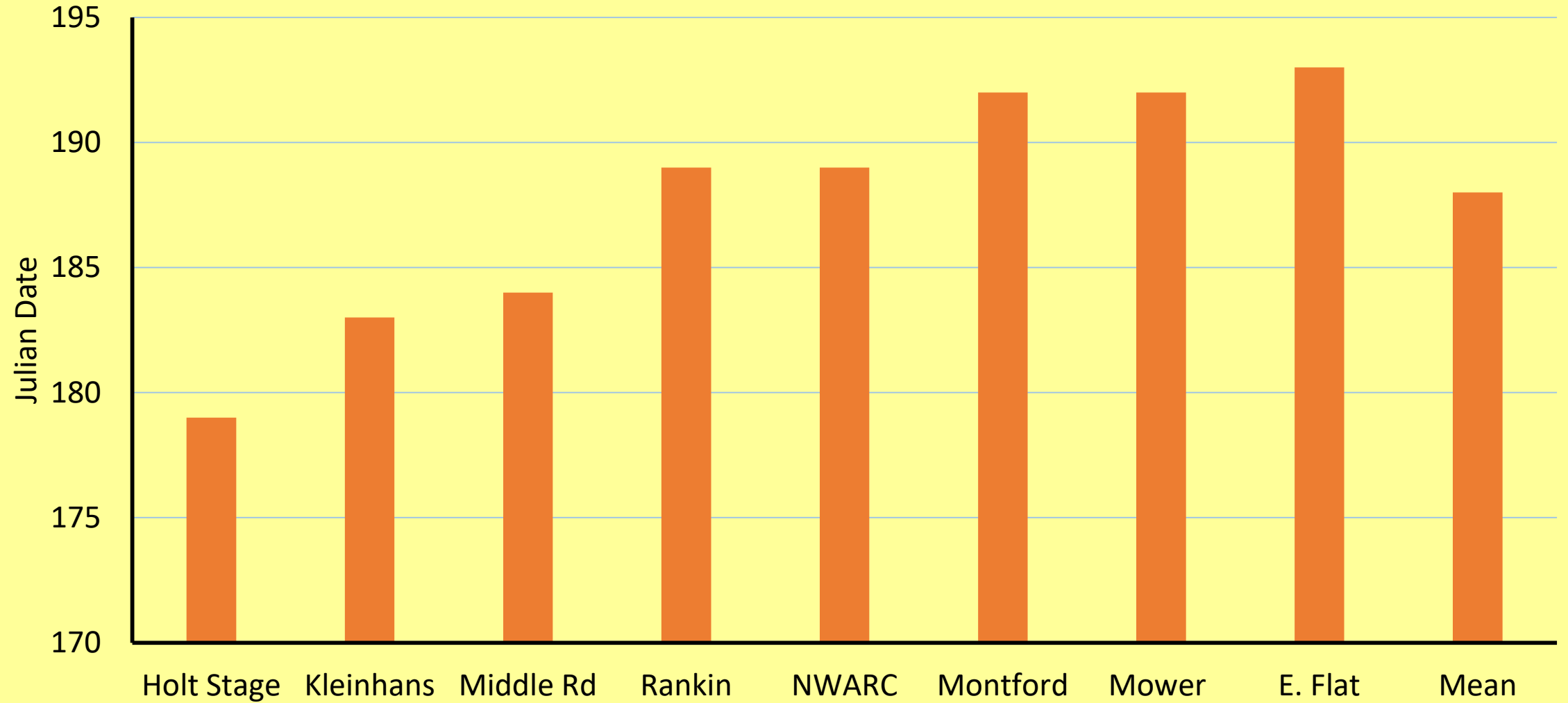


Mower Field



E Flat





50% Emergence: June 27 – July 11

Developmental Stages 2007 – 2016

Process	Predicted	Observed	Range	Span
10% Emergence	1300	1222	970 - 1603	633
50% Emergence	1475	1434	1092 - 1719	627
90% Emergence	1600	1694	1193 - 2090	897

Developmental Stages 2007 – 2016

Process	Mean	Range	Span
10% Emergence	July 4	June 18 - July 23	35
50% Emergence	July 12	June 26 - July 27	31
90% Emergence	July 21	June 30 - Aug 1	32

Macroglenes penetrans

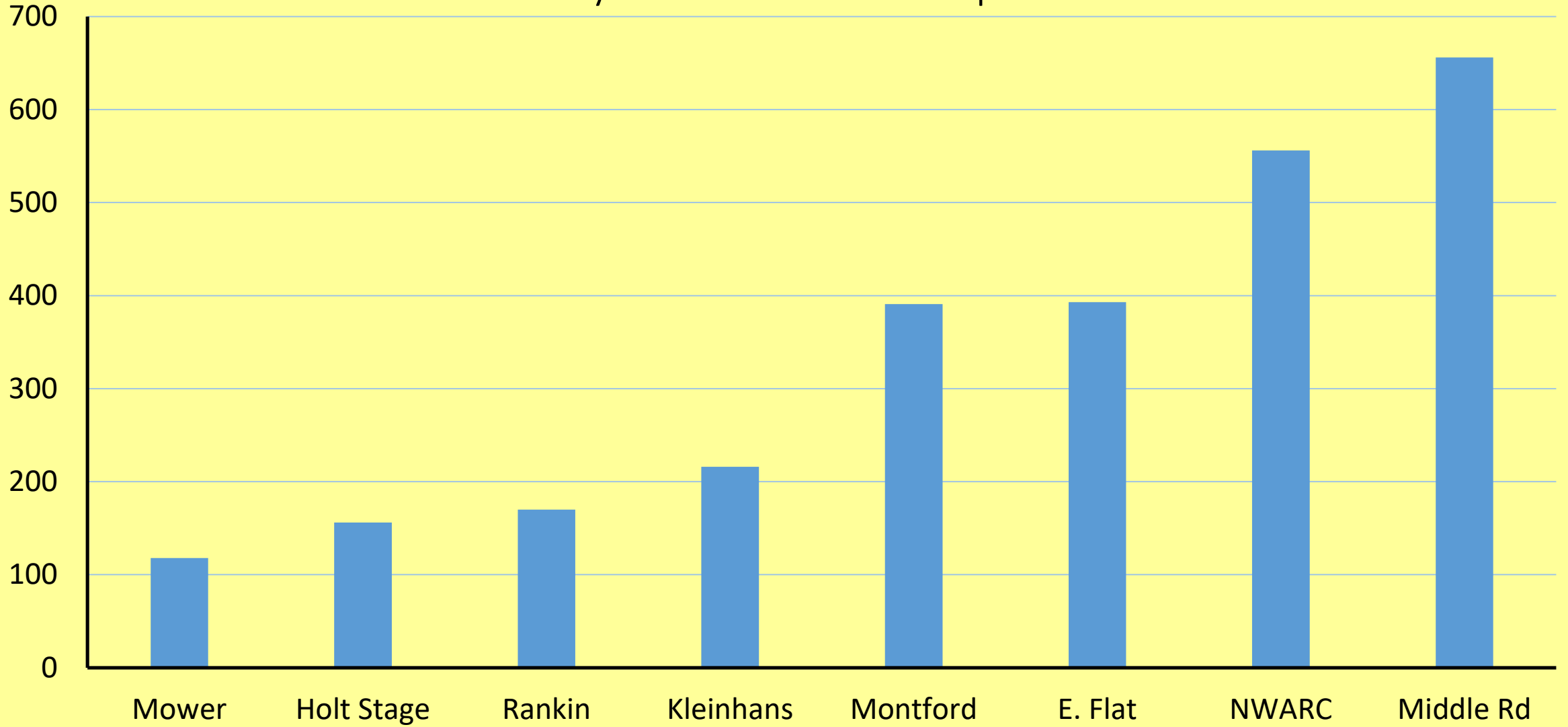


25 to 40 percent parasitism rates

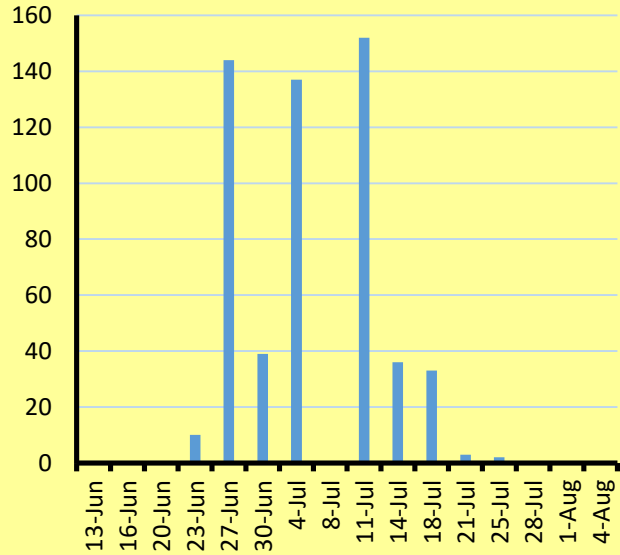




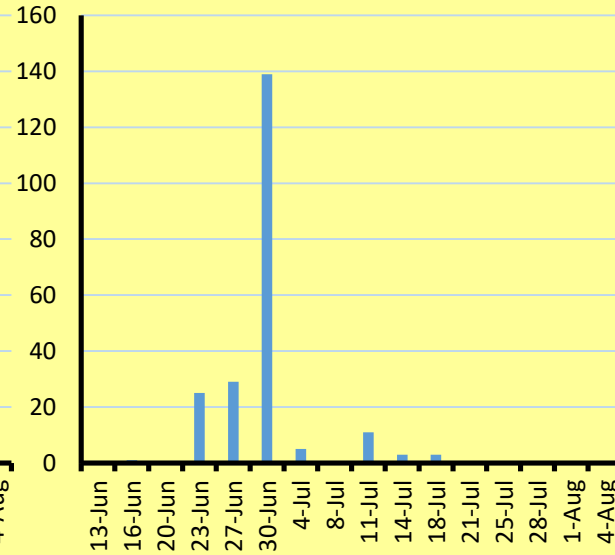
Flathead County Cumulative Parasitoid Populations 2016



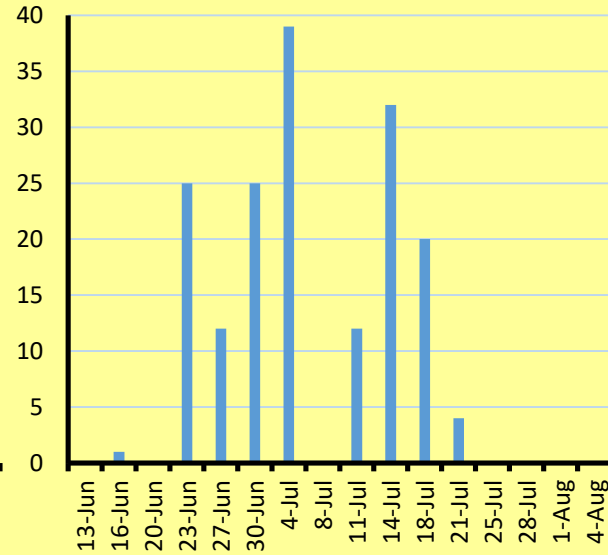
NWARC



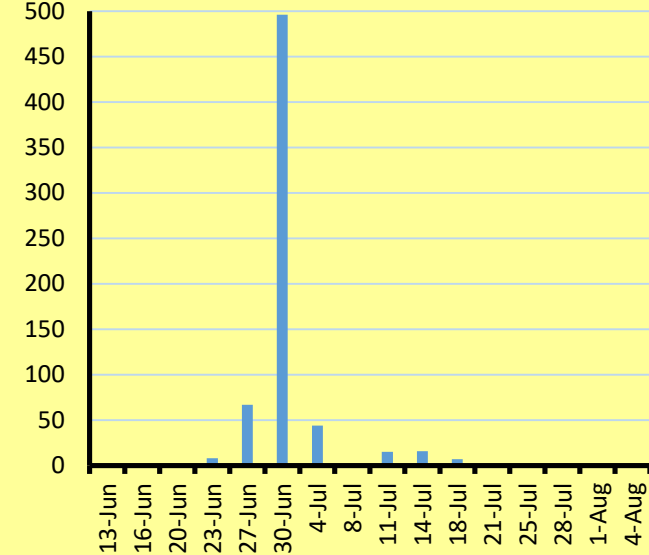
Kleinhans



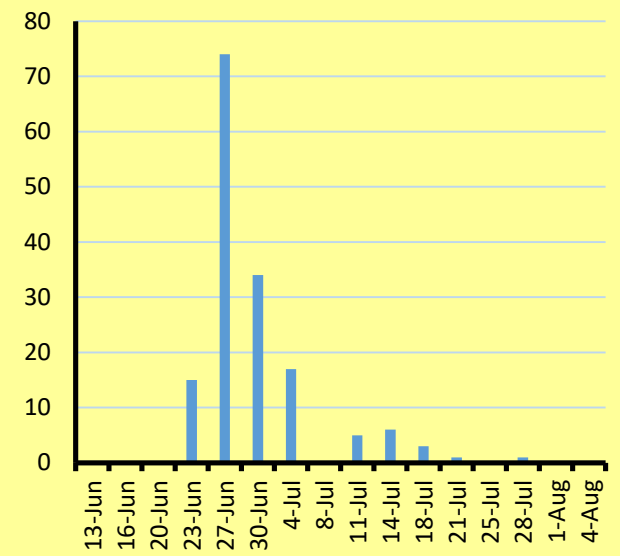
Rankin



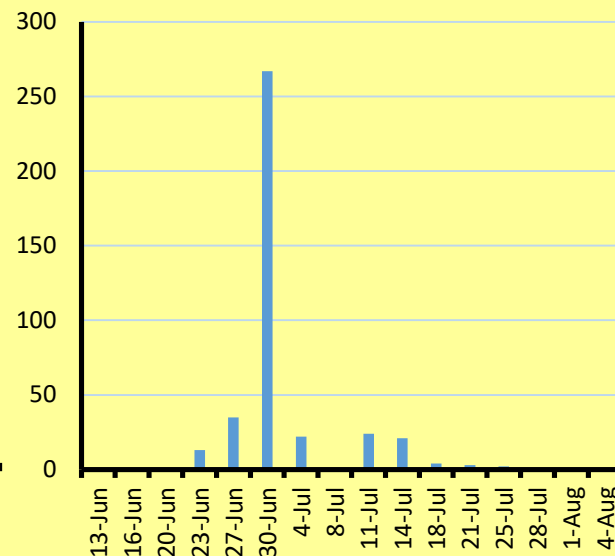
Middle Rd



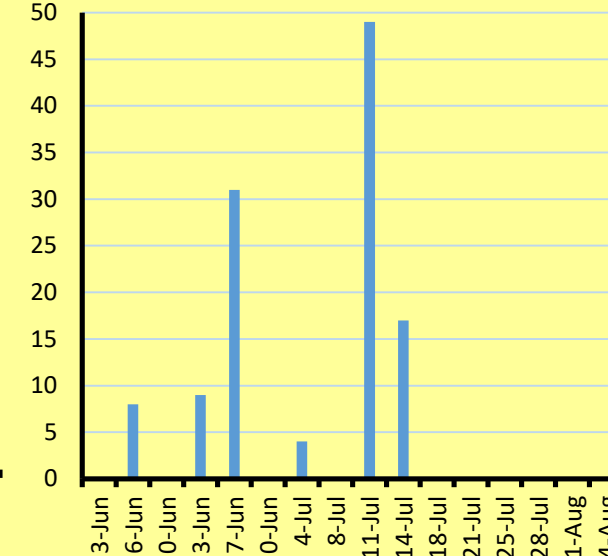
Holt Stage Rd



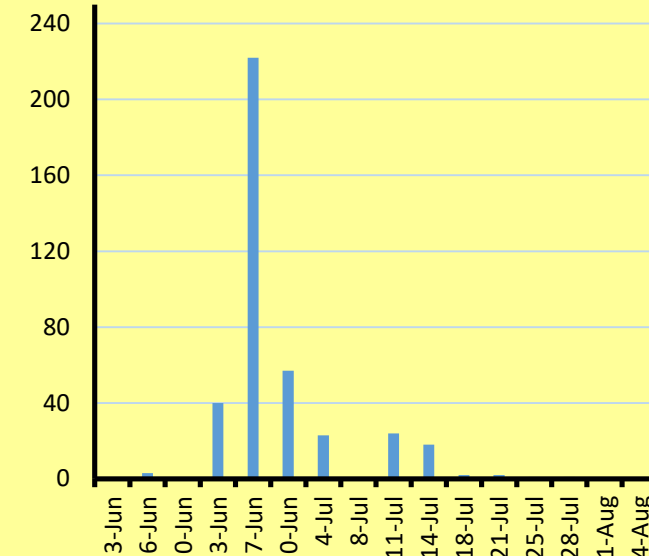
Montford Rd

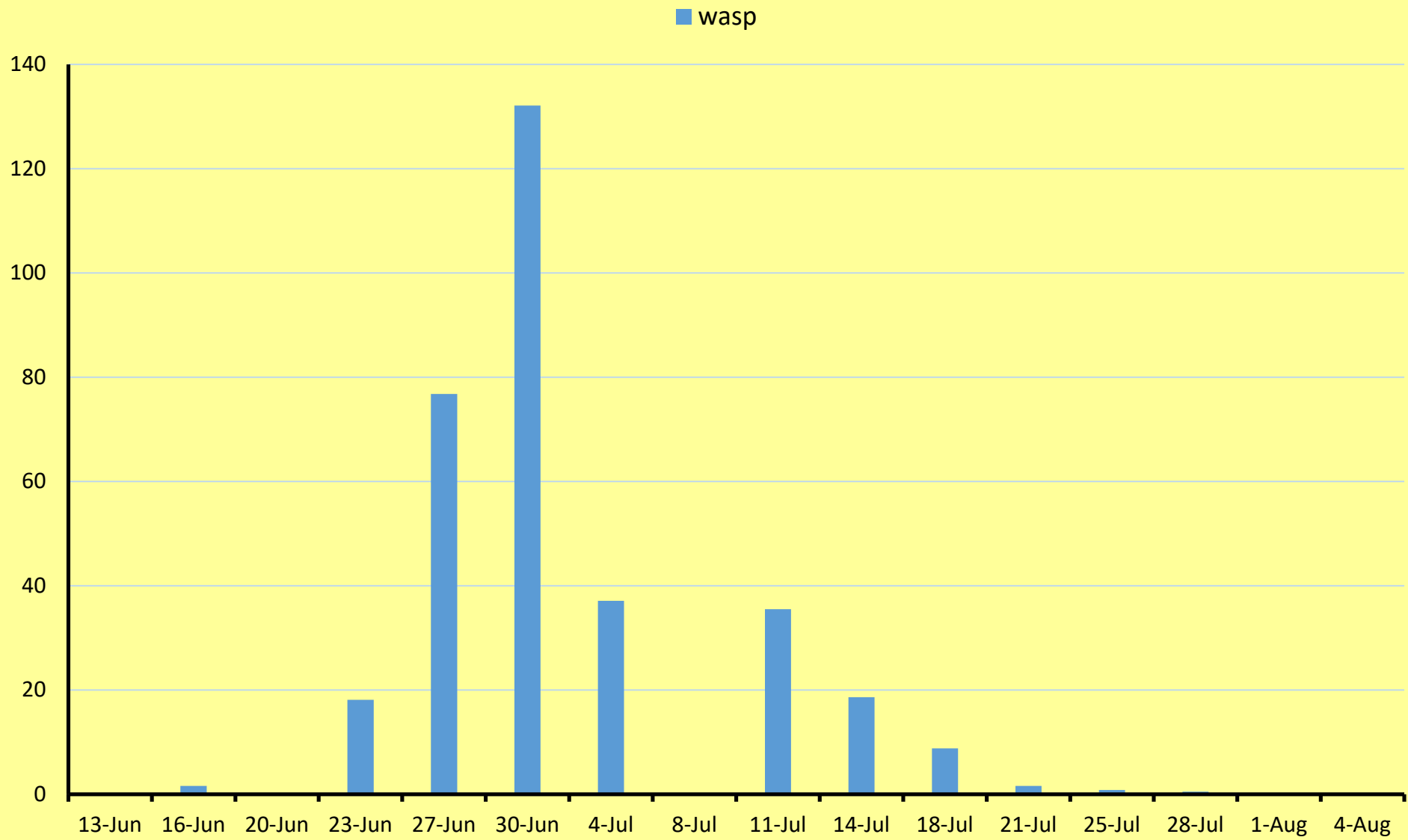


Mower Field

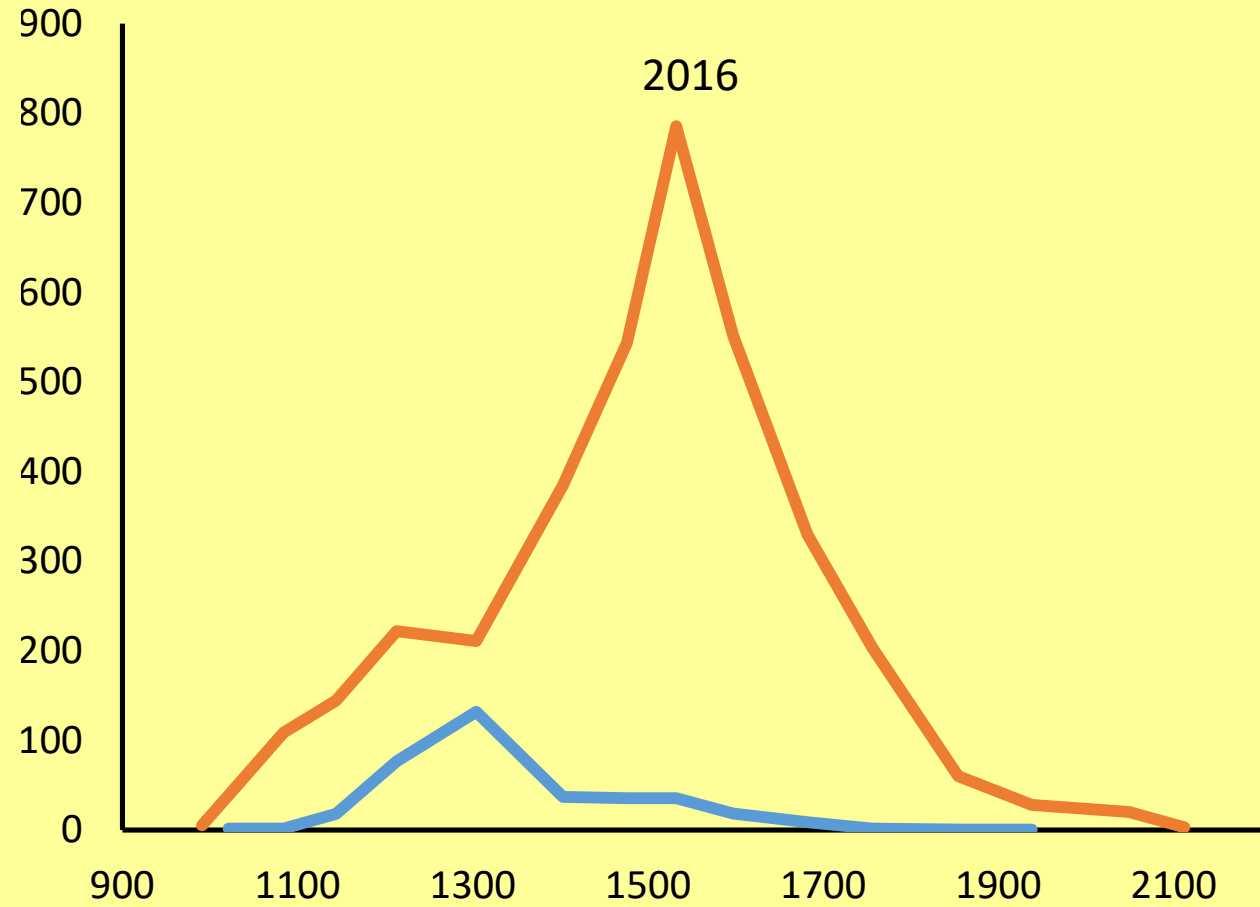
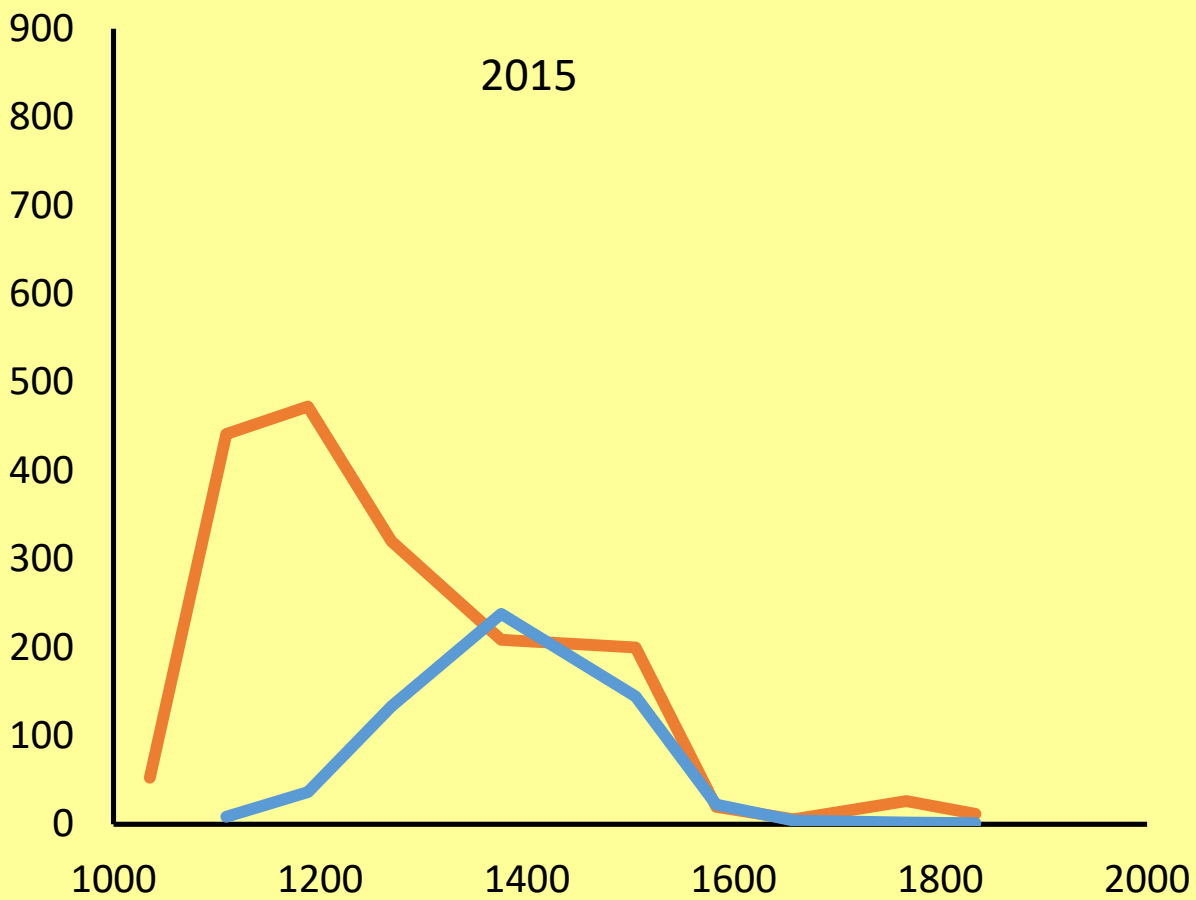


E Flat





Mean number of midge and wasp trapped from eight locations

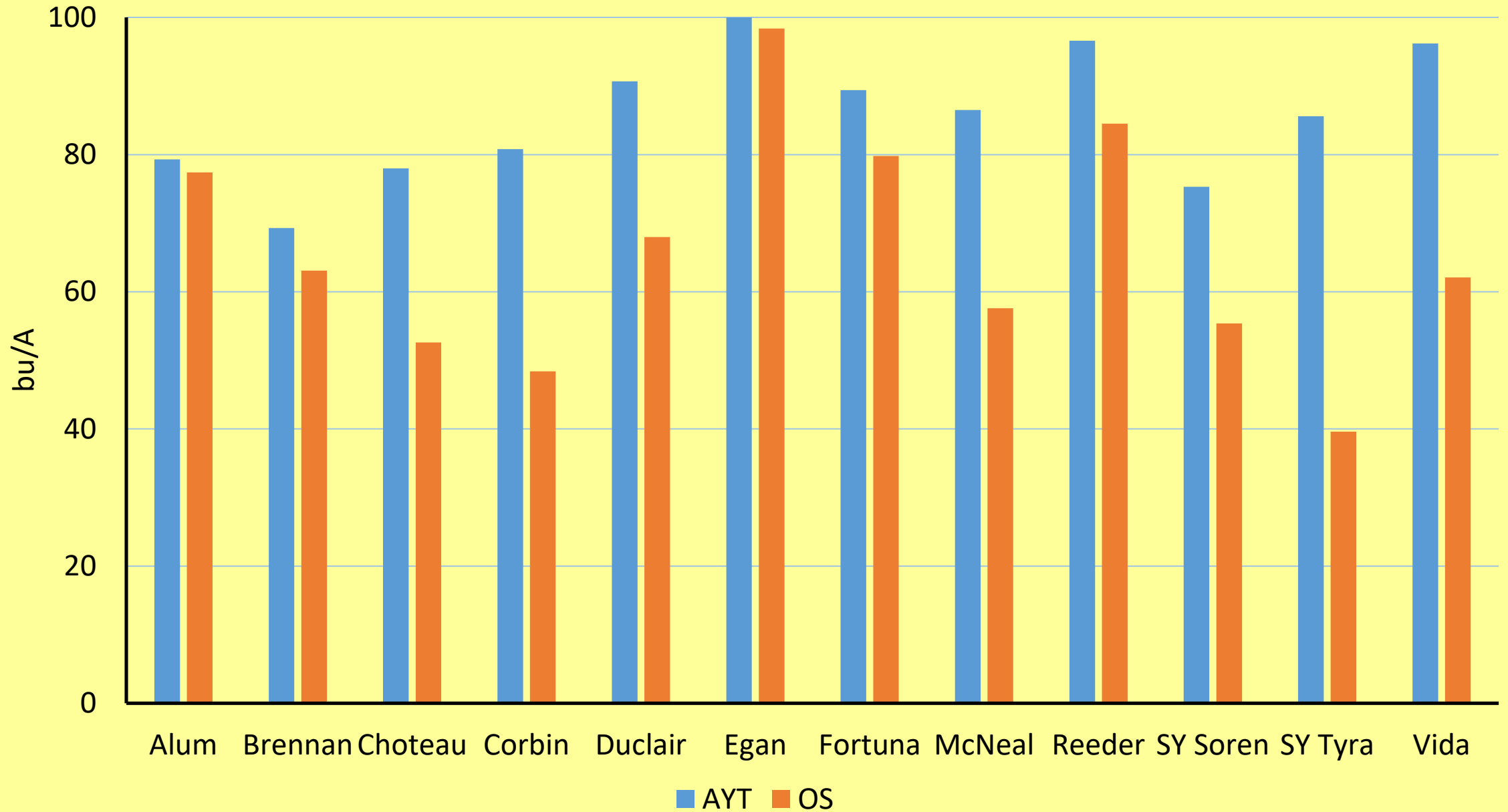


midge wasp

Resistant Varieties



Spring Wheat Yield Comparison, 2016





418 Hill Plots



Spring Wheat Advanced Yield Trial – 2016

CULTIVAR	KALISPELL	BOZEMAN	HUNTLEY	MOCCASIN	CONRAD	HAVRE	SIDNEY (DRY)	SIDNEY (IRRI)	AVG.	RANK
MT 1570	90.8	48.2	<u>94.5</u>	30.6	81.4	<u>52.1</u>	<u>46.3</u>	<u>75.6</u>	64.9	1
MT 1572	84.8	46.7	86.2	30.8	56.4	39.9	43.3	62.9	56.4	53
MT 1573	77.0	46.2	86.5	30.8	69.2	36.4	40.2	63.5	56.2	56
MT 1574	84.2	45.6	89.7	25.1	57.5	46.5	43.4	69.6	57.7	39
EGAN	100.8	44.3	80.4	27.3	65.5	46.5	37.4	65.9	58.5	34

Spring Wheat Advanced Yield Trial - 2016

	HD	HT	LOD	SR	TS	YLD ¹	PRO ²	TWT ¹
Cultivar	Julian	in	%	%	%	bu/A	%	lb/bu
Egan	173	37.3	0.0	7.0	21.7	100.8	15.83	59.4
MT 1570	170	31.0	0.0	42.7	53.3	90.8	13.13	61.8
Mean	172	34.1	0.9	33.4	39.5	82.5	14.80	61.0
LSD	2.7	2.5	3.4	13.9	22.0	15.8	0.84	0.7



Egan School on November 7, 1904.