

Hymenoxys acaulis Reintroduction Status Report
Manito Prairie Illinois
 by John Schwegman, 5-6-1989

Of 300 plants planted 9-29-88 in 3 stands, 235 were counted today (182 flowering and 53 sterile). I am confident that I counted all flowering and budding plants but sterile plants that had lost their plastic markers were very hard to see and I feel that some were present but not counted. Of 85 plants in demographic plots only 1 was missing and it had been dug by a mammal between the planting date and demographic plot establishment on 10-13-88. This supports the probability that I missed a lot of sterile plants in the census and that the 22% overall mortality figure is too high.

Total Plot Census

Plot	Flowering	Sterile
East	54	26
Central	60	15
West	68	12

Demographic Plot Summary

Plot	#Plants	Sterile	Early Fl	Late Fl	Pet. Reflexed	Gone
East	30	5	19	6	9	0
Central	28	12	14	1	2	1
West	27	8	11	5	1	0
Totals	85	25	44	12	12	1

Early Flowering = All disc flowers open today.

Late Flowering = In bud or some disc flowers not open yet.

Petals Reflexed = Plants with ligulate petals reflexed (apparently setting seed).

Plants still in bud today are D 71, B 3, and A 15-14 all in the west demographic plot. Plants apparently setting seed (petals reflexed) today are A 11-10, E 43, E 42, B 14, E 15, A 9-8, B 12, E 1, and B 13 in east plot; E 9 and A 16-7 in central plot; and E 9 in west plot.

The east plot appears to be the most advanced in flowering with fewer plants in bud and more setting seed. The central plot is intermediate and the west plot has the most plants still in bud. This appears to reflect each site's exposure to the warming rays of the sun. The east plot is west-facing with no shade, the central plot is on level open prairie and the west plot is northwest-facing with afternoon shade from adjacent timber.