

Estimated Weekly Crop Water Use for Field Crops in Michigan (in/week)

Week of July 27 and August 2, 2026

Crop	Growth stage	Crop water use (in/week)			
		Constantine	Berrien Springs	Entrican	Hart
	Reference ET	1.17	1.11	1.19	1.19
Corn	V10	0.89	0.84	0.90	0.90
	V12	1.17	1.11	1.19	1.19
	VT, Silk, Blister, Dough	1.29	1.22	1.31	1.31
Soybeans	R1	1.17	1.11	1.19	1.19
	R2 (Full bloom)	1.29	1.22	1.31	1.31
	R3 (Begin pod) - R4 (Full pod)	1.29	1.22	1.31	1.31
Potato	Tuberization	1.06	1.01	1.08	1.08
	Tuber bulk	0.99	0.94	1.01	1.01
	Bulk	0.70	0.67	0.71	0.71

KEY TAKEAWAYS

- Corn and soybeans are at peak water use, requiring approximately 1.3 inches of water per week during their most critical growth stages. Water stress during this period can significantly reduce yield.
- Potatoes in the tuber bulking stage continue to have high water demand, using approximately 1.0 inch of water per week.
- Recent rainfall met crop water needs in some areas. Account for effective rainfall when scheduling irrigation to avoid over-irrigation, and monitor irrigated soybeans for increased white mold risk.

This week estimated rainfall (in/week)			
Constantine	Berrien Springs	Entrican	Hart
0.89	1.37	0.12	1.12

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This table presents projected potential crop evapotranspiration values for field crops in Michigan and does not account for precipitation obtained during the week of calculation. The procedure used for the calculation was based on the FAO-56 single crop coefficient approach: <https://www.fao.org/4/X0490E/x0490e0b.htm#TopOfPage>. Reference evapotranspiration values were obtained from <https://enviroweather.msu.edu/>.