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

Week of June 15 - 21, 2026

Crop	Growth stage	Crop water use (in/week)			
		Constantine	Berrien Springs	Entrican	Hart
	Reference ET	1.08	1.04	1.02	0.95
Corn	V4	0.19	0.19	0.18	0.17
	V6	0.38	0.36	0.36	0.33
	V8	0.60	0.58	0.57	0.53
Soybeans	V2	0.43	0.42	0.41	0.38
	V3	0.65	0.62	0.61	0.57
	V4	0.84	0.81	0.80	0.74
Potato	Early vegetation	0.54	0.52	0.51	0.48
	Tuberization	1.08	1.04	1.02	0.95
	Blossom	1.08	1.04	1.02	0.95

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/.

KEY TAKEAWAYS

- Corn at V4–V6 is using approximately 0.20 to 0.40 inches of water per week. After V6, crop water use increases rapidly and can exceed 0.60 inches per week.
- Soybeans at V3–V5 are using approximately 0.60 to 0.85 inches of water per week, with water demand continuing to increase as the crop develops.
- Potatoes in the tuberization and blossom stages continue to have a high water demand, requiring more than 1 inch of water per week.
- Learn more about irrigation system insurance considerations in this article.

This week estimated rainfall (in/week)			
Constantine	Berrien Springs	Entrican	Hart
1.57	0.62	1.32	1.23

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