

Managing Soil Moisture Using the WI Irrigation Scheduling Program (WISP)



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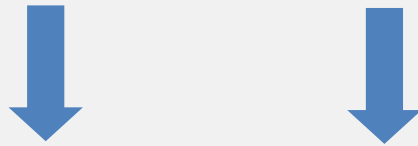
Root Zone Soil / Water Balance

- The checkbook Method -

**Evapotranspiration
(ET) = Withdrawal**

Water Inputs = Deposits

Irrigation Rainfall



Deep Drainage = Withdrawal

Irrigation Water Management Tools

- Web-based Scheduler WISP 2012 -

WISP: Wisconsin Irrigation Scheduling Program 2012 Version 1.0.1

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WISP Field Status
 2014 % Cover ▾ TestPivot1 ▾ TestField1 ▾ 2014-7-13 ⏪ ⏩

Field Data

Farm: 2014 % Cover
 Pivot: Test Pivot 1
 Field/soil: Test Field 1
 Crop: New crop (field ID: 3895) A v...

Root zone depth: 36.0 in
 Emergence Date: 05/01/14
 AD at field capacity: 2.52 in.
 Initial soil moisture: 30 %
 Target 70 % (1.76 in.)

Update Target

Edit Observed Values Below								
Date	Poten. ET	Rainfall	Irrigation	% Moisture	% Cover	Adj. ET	AD	Deep Drainage
2014-07-08	0.13	2.80	0.00	30.0	80	0.13	2.52	0.79
2014-07-09	0.18	0.00	0.00	29.4917	80	0.18	2.34	
2014-07-10	0.22	0.00	0.00	28.8806	80	0.22	2.12	
2014-07-11	0.15	0.00	0.00	22.6	80	0.15	-0.14	
2014-07-12	0.11	0.00	0.00	22.2972	80	0.11	-0.25	
2014-07-13	0.23	0.00	0.00	21.6639	80	0.23	-0.48	
2014-07-14	0.13	0.00	0.00	21.3167	80	0.13	-0.61	

Seasonal Totals
2014-05-01 to 2014-10-18

Report in CSV Format

Rainfall: 9.90 in.
 Irrigation: 0.00 in.
 ET: 14.76 in.
 Drainage: 0.79 in.

Calculated Allowable Depletion (inches)

Source: WISP. CALS. WISC. EDU