

SOIL/WATER HOLDING WORKSHEET

Year _____ By _____

Crop _____

Planting date _____ Emergence Date _____

Soil name if available _____

Factor	Season	
	1st 30 Days	Remainder of Season
Root zone depth or maximum soil depth-feet		
Available water capacity (AWC)-inches		
Management allowed deficit (MAD)-percent		
Management allowed deficit (MAD)-inches		
(Note: Irrigate prior to the time that SWD is equal to or greater than MAD)		
Estimated irrigation system application efficiency _____ percent		

Data Obtained During First Field Check					Data Obtained Each Check		
(1) Depth Range (in)	(2) Soil Layer Thickness (in)	(3) Soil Texture	(4) Available Water Capacity (AWC) (in/in)	(5) AWC in Soil Layer (in)	(6) Field Check Number	(7) Soil Water Depletion (SWD) (%)	(8) Soil Water Depletion (SWD) (in)
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
Total AWC for root zone depth of _____ ft = _____					SWD Summary		
Total AWC for root zone depth of _____ ft = _____							
AWCin(5) = Layer thickness(2) x AWCin/in(4)					Check Number	Check Date	SWD Totals
$SWD_{in}(8) = \frac{AWC_{in}(5) \times SWD\%(7)}{100}$					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		