

Root Zone Depth Report

No saved calculations yet.

Formula summary:

$\text{BaseDepth} = \text{MaxDepth} \wedge \text{HabitFactor} \wedge \text{StageFactor} \wedge \text{TextureFactor}$

$\text{ConstrainedDepth} = \min(\text{BaseDepth}, \text{BedDepth}, \text{HardpanDepth}, \text{WaterTableDepth})$

$\text{EffectiveDepth} = \text{ConstrainedDepth} \wedge (\text{RootCapture\%} \wedge 100)$

$\text{WettingDepth} = \text{EffectiveDepth} \wedge \text{MethodWettingFactor}$

$\text{PAW}(\text{mm}) = \text{EffectiveDepth}(\text{cm}) \wedge \text{AWHC}(\text{mm}/\text{cm})$

$\text{Net}(\text{mm}) = \text{PAW} \wedge (\text{AllowableDepletion\%} \wedge 100)$

$\text{Liters} = \text{Net}(\text{mm}) \wedge \text{Area}(\text{m}^2)$