

Table B

ESTIMATING SOIL MOISTURE BY FEEL

<i>Moisture deficit in/ft</i>	<i>Loamy Sand</i>	<i>Sandy Loam</i>	<i>Loam</i>	<i>Clay Loam</i>	<i>Moisture deficit in/ft</i>
0 (field capacity)	Leaves wet outline on hand when squeezed.	Appears very dark, leaves wet outline on hand, makes a short ribbon.	Appears very dark, leaves a wet outline on hand, will ribbon out about one inch.	Appears very dark, leaves slight moisture on hand when squeezed, will ribbon out about two inches.	0 (field capacity)
0.2					0.2
0.3	Appears moist, makes a weak ball.		Dark color, forms a plastic ball, slicks when rubbed.		0.3
0.4		Quite dark color, makes a hard ball.		Dark color, will slick and ribbons easily.	0.4
0.5	Appears slightly moist, sticks together slightly.				0.5
0.6		Fairly dark color, makes a good ball.	Quite dark, forms a hard ball.		0.6
0.7				Quite dark, will make thick ribbon, may slick when rubbed.	0.7
0.8	Dry, loose, flows thru fingers.	Slightly dark color, makes a weak ball.			0.8
0.9	(wilting point)		Fairly dark, forms a good ball.		0.9
1.0		Lightly colored by moisture, will not ball.		Fairly dark, makes a good ball.	1.0
1.1			Slightly dark, forms a weak ball.		1.1
1.2				Will ball, small clods will flatten out rather than crumble.	1.2
1.3		Very slight color due to moisture.			1.3
1.4		(wilting point)	Lightly colored, small clods, crumbles fairly easily.		1.4
1.5				Slightly dark, clods crumble.	1.5
1.6					1.6
1.7			Slight color due to moisture, small clods are hard.		1.7
1.8				Some darkness due to unavailable moisture, clods are hard, cracked.	1.8
1.9			(wilting point)		1.9
2.0				(wilting point)	2.0

from ASAE V3 N1

How much water to refill the root zone? Add up the moisture deficit in each foot of roots.