

Table: Crop specific recommended soil moisture levels and typical measuring depths

Crop	Recommended soil moisture	Typical measuring depth	When irrigate?
Aubergine	100 to 450 hPa	20 cm below surface	Flower & fruit formation
Apple	100 to 350 hPa	30-40 cm below surface	Volume increase
Apricot	100 to 400 hPa	30-40 cm below surface	Volume increase
Pear	100 to 500 hPa	30-40 cm below surface	Volume increase
Cauliflower	100 to 350 hPa	20 cm below surface	Head development
Annual Flowers	100 to 350 hPa	15-20 cm below surface	Permanent
Broccoli	100 to 250 hPa	20 cm below surface	Head development
Dwarf beans	100 to 350 hPa	30 cm below surface	Flowering
Chinese cabbage	100 to 250 hPa	20 cm below surface	Permanent
Pickling Cucumbers	100 to 350 hPa	20 cm below surface	Flower & fruit formation
Strawberries	100 to 250 hPa	20 cm below surface	Fruit formation & harvest
Green peas	100 to 350 hPa	30 cm below surface	Flower
Kale	100 to 250 hPa	30 cm below surface	Permanent
Huckleberry	100 to 300 hPa	20 cm below surface	Flower & fruit formation
Raspberry & Blackberry	100 to 350 hPa	30 cm below surface	Flower & fruit formation
Red currant	100 to 500 hPa	30 cm below surface	Flower & fruit formation
Carrot	100 to 450 hPa	20 cm below surface	Shoots, volume increase
Potato	100 to 350 hPa	30 cm under dam	After the flowering
Cherry	100 to 350 hPa	30-40 cm below surface	Volume increase
Cabbage	100 to 350 hPa	20 cm below surface	Head development
Potherbs	100 to 250 hPa	15 cm below surface	Permanent
Pumpkin	100 to 250 hPa	20 cm below surface	Volume increase
Melon	100 to 250 hPa	20 cm below surface	Volume increase
Mirabelle	100 to 500 hPa	30-40 cm below surface	Volume increase
Peppers	100 to 450 hPa	20 cm below surface	Flowering to ½ fruit size
Parsnip	100 to 500 hPa	20 cm below surface	Volume increase
Peach	100 to 400 hPa	30-40 cm below surface	Volume increase
Plum	100 to 500 hPa	30-40 cm below surface	Volume increase
Porre/Leek	100 to 250 hPa	20 cm below surface	Permanent
Radish	100 to 250 hPa	15 cm below surface	Permanent
Brussels sprouts	100 to 250 hPa	20 cm below surface	Rose development
Salads	100 to 250 hPa	15 cm below surface	Head development
Chip cucumbers	100 to 450 hPa	20 cm below surface	Flower & fruit formation
Celery	100 to 250 hPa	20 cm below surface	Permanent
Mustard	100 to 250 hPa	30 cm below surface	Permanent
Asparagus young plant	100 to 300 hPa	30 cm below surface	After leaf formation
Asparagus yield plant	100 to 500 hPa	50 cm under dam	After leaf formation
Spinach	100 to 250 hPa	15 cm below surface	Permanent
Scarlet runners	100 to 350 hPa	30 cm below surface	Flower
Tomato	100 to 450 hPa	30 cm below surface	Volume increase
Grapes	100 to 500 hPa	40 cm below surface	Volume increase
Zucchini	100 to 450 hPa	20 cm below surface	Volume increase
Sweet Corn	100 to 450 hPa	20 cm below surface	m. flower, grain filling
Pomegranate	100 to 300 hPa	30 cm below surface	Volume increase
Onion bunch	100 to 250 hPa	15 cm below surface	Onion formation, volume increase
Onion dry	100 to 250 hPa	20 cm below surface	Onion formation, volume increase

Disclaimer:

Above recommendations are based on results of scientific trials and literature review. Because of the variability of environmental, site and managerial conditions the Company MMM tech support does not accept liability for lack of performance based on these recommendations. Recommendations are made in good faith. We recommend that water applications are adjusted to specific growing conditions on field.