

**10cm deep soil layer:** necessary water applications to reduce the soil water suction from the measured value to 80 hPa (mm necessary per 10cm soil layer. I.e. if the rooting zone is 30cm deep, the given value has to be multiplied by 3)

Soil Type / Soil water suction or soil water potential	from 100hPa to 80hPa	from 200hPa to 80hPa	from 300hPa to 80hPa	from 400hPa to 80hPa	from 500hPa to 80hPa	from 600hPa to 80hPa	from 1000hPa to 80hPa
Sand	0,6	2,3	3,4	4,1	4,7	5,1	6,4
Loamy Sand	0,7	2,9	4,2	5,1	5,8	6,3	7,9
sandy Loam	0,6	2,5	3,6	4,4	5,0	5,5	6,9
silty Loam	1,0	4,0	5,7	7,0	7,9	8,7	11,0
clay Loam	0,5	2,0	2,9	3,5	4,0	4,4	5,5
silty Clay	0,4	1,8	2,6	3,2	3,6	4,0	5,0
Clay	0,3	1,4	2,0	2,4	2,8	3,0	3,8