

**DISTRIBUTION OF SOILS
 AFFECTED BY SALINITY IN ISRAEL**

S. RAVIKOVITCH
 THE HEBREW UNIVERSITY OF JERUSALEM, FACULTY OF AGRICULTURE, REHOVOT

- LEGEND**
- 1 Soils free of excess salts
 - 2 Slight occurrence of salinity:
 Less than 10 percent of area's soils affected by salinity, excess salts in deeper layers only* Slight or moderate degree of salinity
 - 3 Moderate occurrence of salinity:
 10-20 percent of area's soils affected by salinity, excess salts in deeper layers only* Slight or moderate degree of salinity
 - 4 Moderate occurrence of salinity:
 10-20 percent of area's soils affected by salinity throughout profile Slight to high degree of salinity
 - 5 Prevalent salinity:
 20-40 percent of area's soils affected by salinity Moderate to very high degree of salinity
 - 6 Highly prevalent salinity:
 40-70 percent of area's soils affected by salinity Moderate to very high degree of salinity
 - 7 Nearly entire area saline
 Moderate to very high degree of salinity

*In soils of the Desert Zone mostly below 60 cm, in soils of the Mediterranean Zone, mostly below 100 cm

Degree of salinity	Percent of salts
Non-saline soil	Below 0.15
Slightly saline soil	0.15-0.30
Moderately saline soil	0.30-0.45
Moderately to highly saline soil	0.45-0.60
Highly saline soil	0.60-0.80
Very highly saline soil	Above 0.80

AUTHORITIES

Soils of Lower Jordan Valley, 1933, 1946. S. Ravikovitch.
 Soils of the Beit Shean Valley, 1938. S. Ravikovitch, 1957. S. Ravikovitch, H. Koyumdjisky and Y. Dan.
 Soils of the Arava Valley, 1943. S. Ravikovitch.
 Saline soils in the Zevulun Valley, 1948. S. Ravikovitch and N. Bidner-Bar-Hava.
 The saline soils of the Northern Negev, 1952. S. Ravikovitch.
 Soils of the Judea Valley, 1953. S. Ravikovitch and D. Zeevi.
 Soils of the Central and Southern Negev, 1957. S. Ravikovitch, F. Pines and Y. Dan.
 Soils of the Western and Central Valley of Yezreel, 1960. S. Ravikovitch, H. Koyumdjisky and Y. Dan.
 Soil Map of Israel, 1:250,000, 1967. S. Ravikovitch.
 Distribution of soils affected by salinity in Midbar Yehuda, 1968. S. Ravikovitch and A. Amiel.

SCALE 1:1,500,000

