

TRANSPIRATION

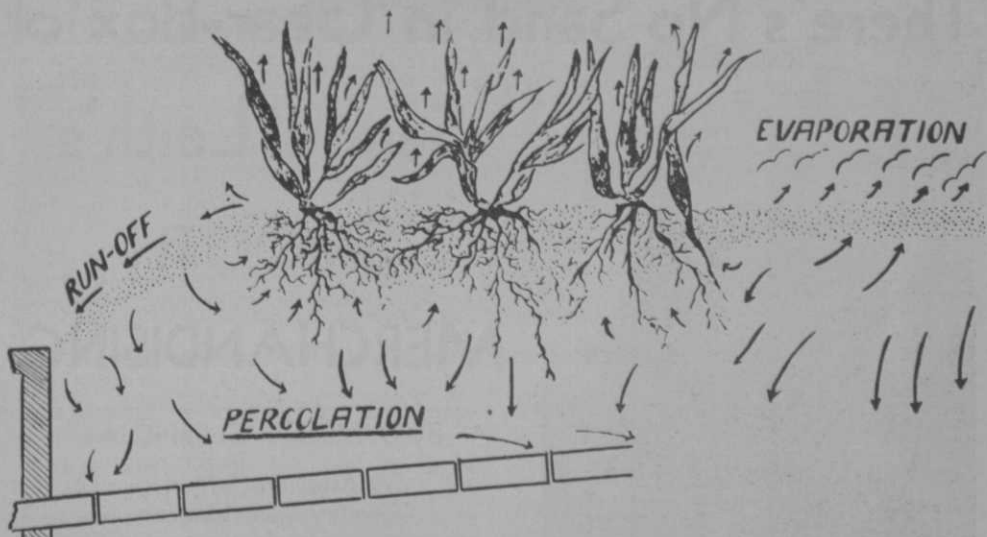


Chart 2. What happens to rain or irrigation water.

loams. However, evaporation is largely controlled by weather conditions and we have not yet found suitable methods of reducing evaporation losses in hot dry periods.

The quantity of water retained by the soil for use by the plant depends on soil texture, structure, and organic matter content. Table 3 shows the available moisture capacities of 3 soil types. The rich silt loam is able to hold more than twice as much water in an available form, as the sandy soil. An important point in this connection, however, is the amount which the plant may draw on. Obviously if the root system is restricted to the upper inch of soil because of unfavorable soil conditions, or wrong methods of treatment, the plant may use only the moisture present in that inch layer. If the root system penetrates 2 inches, the potential supply is doubled, and for 4 inches it is 4 times as great. It is evident that much can be done in the way of increasing the moisture supply for all types of turf, merely by making conditions suitable for vigorous development of the root system.

This authoritative account of the part water plays in grass growth will be concluded in April GOLFDOM.

GEORGE O'NEIL NEW SPORTS HEAD AT FRENCH LICK

GEOURGE O'NEIL, veteran pro and golf architect, has been appointed sports director at French Lick Springs Hotel, the famous relax and laxative spot in southern Indiana. Art Lockwood, for many years in that job, goes to Indianapolis to take charge of the municipality's golf activities.

George has been the mentor of many of our fine pros of the younger school and has been responsible for a number of fine architectural jobs. He was pro at Beverly, Midlothian and Lake Shore in the Chicago district. At the latter club he was reported in the newspapers as having received a \$10,000 fee for cutting five strokes off the game of one of the members; from this reputed fee there was a terrific discount for cash.

Two of the big shot professionals are slated to go to French Lick as playing and instructing pros with George. We understand George is revising the layout of the French Lick valley course to bring the full shot holes nearer to the most popular facilities of the establishment.

SHORT hole tees receive much harder wear than tees from which wood-club shots are played, since an iron shot takes the larger divot. Therefore, build generous tees for your 3-par holes; the turf will be difficult to maintain unless the tee-plates can be shifted to a different spot almost daily.