

Timber Creek Farms and Nurseries



GROWING A GENERAL LINE OF NURSERY STOCK

Catalog upon Request
12608 Charles Road - Woodstock, IL 60098

1-(815) 338-0200

HOW TO MEASURE THE WATER CONTENT OF RAIN AND SNOW

Water from rain and snow plays an important part in recharging our ground water supplies. The following was prepared by the U.S. Geological Survey, Dept. of the Interior, to answer the most frequently asked questions about water equivalent of both rain and snow.

Rain: One inch of rain over one acre (43,560 square feet) amounts to 27,154 gallons of water. What happens to this water depends on several factors, amongst them being rate of rainfall, topography, soil condition, humidity, vegetation density, extent of urbanization, etc. Of the total amount of water USGS estimates that 25% would run off immediately, about 15% would evaporate, about 40% would be taken up by surface soils and the other 20% would finally filter into the aquifers. These figures can of course vary greatly, for example the direct runoff would be excessive in a highly urbanized area because of the density of pavements, roads and other impervious areas.

Snow: One inch of snow falling evenly on one acre of ground is equivalent to about 2,700 gallons of water say USGA hydrologists. This figure however is based on rule of thumb that 10 inches of snow is equal to one inch of water and this figure can vary greatly depending upon whether it is heavy wet snow or powdery snow. Wet snow has a very high water content and four or five inches of this type of snow may contain one inch of water. The dry powdery snow may require 15 or more inches to equal one inch of water. Thus one inch of very wet snow over one acre might amount to more than 5,300 gallons of water while one inch of powdery snow might only yield 1,300 gallons of water. Not all snow is converted to liquid either for some of it "sublimates"

which is going from a solid directly into a vapor, thus skipping the liquid state.

Measuring snow: The do-it-yourselfer can measure the water content of snow. Collect a sample in a straight sided container having one end open, don't spoon or pack the sample into the container, rather press the container into the snow filling it to its full length. After the snow is melted measure the depth of the liquid and compare this to the depth of the snow originally in the container. By measuring the total snow fall and applying the ratio of water content the total water content of the snowfall in a limited area is estimated.

C.E. [Scotty] Stewart

POSITION OPEN

Ventura 21 Inc., 375 Ventura Club Drive, Roselle, IL 60172 wants to employ a working supervisor to maintain a five hole golf course and 60 to 70 acres. Two years of experience or four or five years working on a golf course are required. The salary will be \$15,000 to \$20,000.

POSITION OPEN

Assistant Supt. wanted at Prestwick C.C., 18 holes, private, blue grass fairways. Penncross greens & tees. Manual irrigation system. Salary open. Responsible to golf course supt. Fringe benefits. Phone 815-469-5903 or 5238. Contact **Dick Trevarthan**, RR1, Frankfort, IL 60423.

JOB OPENING

Wanted - Golf Course Supt. at Old Orchard Golf Club, Mt. Prospect, Call or write **Steve Blatnak**, pro. 700 W. Rand Rd., Mt. Prospect, IL 60056 - 255-2025.