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How Deep? -- Cultivating corn deep enough to prune roots any time from the second cultivation on usually results in 10 bushels or more reduction in yield, says Harold Jones, extension specialist in Soils at the University of Minnesota. "Tilling $2\frac{1}{2}$ to 3 inches deep with a sweep-type cultivator shovel will generally control grass-type weeds and at the same time avoid root pruning during the second and subsequent cultivations," according to Jones. "Cultivating deep enough to plow out large weeds missed during the first cultivation does more harm than good. Farmers should check depth of corn root growth and set the cultivator so as to avoid cutting off roots."

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Need More Land? -- If you need more land, the best solution may be to build up the fertility of the land you have. You can build fertility cheaper than you can buy it in the form of new land, according to the Middle West Soil Improvement Committee. By investing \$50 to \$75 per acre you can make fair or "middle class" land the equal of top-yielding soil within a year or two, says the Committee. Four necessary steps are given: 1. Add lime as needed; 2. Use a full application (up to 1,000 pounds per acre) of fertilizer; 3. Use rotations with legumes and grasses to mellow the soil; 4. Return leaves, stubble and other crop residues to the soil.

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Who Pays? -- Cost of the face-lifting field day scheduled for September in the Le Sueur Soil Conservation District will run about \$1200, according to the District supervisors. They expect to raise the money from contributions of local businessmen. The expenses are for liability insurance, publicity, awards for the plowmen, and other special items. The Scott and Carver County Soil Conservation Districts are assisting with the event, which is to be held on the Horrisberger Brothers farm in Tyrone Township.

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