



Lodging of Field Corn as Affected by Cultivation, Plant Population, Nitrogen Fertilizer, and Irrigation Treatment at the Irrigation Experiment Station, Prosser, Wash (Classic Reprint) (Paperback)

By Carl E Nelson

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Lodging of Field Corn as Affected by Cultivation, Plant Population, Nitrogen Fertilizer, and Irrigation Treatment at the Irrigation Experiment Station, Prosser, Wash Lodging of field corn prior to harvest has become a serious problem in irrigated areas in central Washington since 1945. Lodging has been attributed to spindly stalks caused by greater plant populations per acre. The greater plant populations are the result of better stands from the use of seed treatments, control of soil pests, and higher seeding rates. The use of large quantities of commercial fertilizer also has been named as a contributory cause of lodging. At present, stands of plants per acre and applications of fertilizer containing 80 to 250 pounds of available nitrogen per acre are recommended practices for the growers in Washington State crop statistics in the Yakima Valley show yield increases of corn ranging from 20 to 40 percent during the 10-year period, 1946 - 56. Growers have reported that their fields often contain 50 to 60 percentage of lodged stalks. Mechanical harvesters cannot recover all the ears from lodged corn plants, thus resulting in...

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