UNIVERSITY OF CALIFFERNIA CHTRUS EXBURY T STATION
CHTRUS EXBURY TO THE TOTAL TO THE

## BULLETIN

Physical Property of the Party of the Party

CORN 5.6 TONS SORGHUM 3 TONS

Vol. XIX

March - April 1957

No. 4

NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION FARGO, NORTH DAKOTA

## Table of Contents

CORN FOR SILAGE RESEARCH AT DICKINSON  Corn is Becoming Increasingly Important in Southwestern North Dakota.  By Thomas J. Conlon and Raymond J. Douglas	107
NEW QUALITY DATA ON DAKOTA DURUMS  Report Discusses the Quality of Four New Durum Wheat Varieties Grown For Three Years in Experiment Station Plots at Various North Dakota Locations.  By L. D. Sibbitt and Rae H. Harris	115
WHAT ABOUT FROZEN SEMEN?	119
NEW WEAPON AGAINST WILD OATS  Recently Introduced Plant Growth Regulator Shows Promise in Breaking Dormancy of Wild Oat Seeds.  By E. A. Helgeson and John G. Green	121
EFFECT OF FUNGICIDE TREATMENTS ON LEGUME INOCULATION	123
LEGUME INOCULATION AND FUNGICIDE TREATMENT OF LEGUMES OR FORAGE GRASS SEEDS NDAC Agronomist Gives Recommendations Regarding Legume Inoculation and Use of Fungicides on Forage Seeds. By J. F. Carter	126
CANE MOLASSES FOR DAIRY COWS  Some Questions About Molasses That the Dairyman Often Asks.  By C. G. M. Edgerly	127
POTATO SEED TREATMENTS IN 1956 Seed Treatments on Cut Potato Seed Reduce Blackleg. By William G. Hoyman	129
COSTS AND RETURNS FROM BARLEY AND FLAX IN THE RED RIVER VALLEY  Economists Compare Two Crops on the Basis of Input, Output and Price Data.  By Norman Ulsaker and Theo H. Ellis	130
HYDRATED LIME IN MILK REPLACERS.  NDAC Dairymen Report on the Effectiveness of Hydrated Lime When Used With Soybean Products.  By C. G. M. Edgerly, C. Jensen and J. B. Williams	133
PRICES OF NORTH DAKOTA FARM PRODUCTS  The Jan. 15, 1957 All-Commodity Price Index is Up 9 Points From the Year Previous.  By Perry V. Hemphill	135

OUR COVER—Thomas J. Conlon, Assistant Agronomist, Dickinson Experiment Station, points out that corn is the area's top producer of high quality feed per acre. He made this clear on a recent statewide NDAC television program.