

## TABLE OF CONTENTS

|  | <b>Page</b> |
|--|-------------|
| Variety Trials with Small Grain  | 1           |
| Hard Red Spring Wheat Variety Trials   | 4           |
| Wheat Variety Trials – Late Seeding  | 5           |
| Off-Station Wheat Variety Trials – Beach   | 6           |
| Off-Station Wheat Variety Trials – Bowman  | 7           |
| Off-Station Wheat Variety Trials – Glen Ullin  | 8           |
| Off-Station Wheat Variety Trials – Hettinger   | 9           |
| Off-Station Wheat Variety Trials – Killdeer  | 10          |
| Off-Station Wheat Variety Trials – Mandan  | 11          |
| <br>   |             |
| Durum Variety Trials   | 12          |
| <br>   |             |
| Wheat Variety Trials – Dickinson and Off-Station Sites   | 13          |
| <br>   |             |
| Protein Data Wheat Variety Trials – Dickinson and Off-Station Sites                                      | 14          |
| <br>   |             |
| Test Weight Data; Wheat, Winter Wheat, Oats, and Barley Variety Trials – Dickinson and Off-Station Sites | 15-16       |
| <br>   |             |
| Oat Variety Trials   | 17          |
| Oat Variety Trials – Late Seeding  | 18          |
| Off-Station Oat Variety Trials – Beach   | 19          |
| Off-Station Oat Variety Trials – Bowman  | 20          |
| Off-Station Oat Variety Trials – Glen Ullin  | 21          |
| Off-Station Oat Variety Trials – Hettinger   | 22          |
| Off-Station Oat Variety Trials – Killdeer  | 23          |
| Off-Station Oat Variety Trials – Mandan  | 24          |
| Oat Variety Trials – Dickinson and Off-Station Sites   | 25          |
| <br>   |             |
| Barley Variety Trials  | 26          |
| Barley Variety Trials – Late Seeding   | 27          |
| Off-Station Barley Variety Trials – Beach  | 28          |
| Off-Station Barley Variety Trials – Bowman   | 28          |
| Off-Station Barley Variety Trials – Hettinger  | 29          |
| Off-Station Barley Variety Trials – Glen Ullin   | 29          |
| Off-Station Barley Variety Trials – Killdeer   | 30          |
| Off-Station Barley Variety Trials – Mandan   | 30          |
| Barley Variety Trials – Dickinson and Off-Station Sites  | 31          |
| <br>   |             |
| Winter Wheat Variety Trials  | 32          |
| Off-Station Winter Wheat Variety Trials – Beach  | 32          |
| Off-Station Winter Wheat Variety Trials – Bowman   | 33          |
| Winter Wheat Variety Trials – Dickinson and Off-Station Sites  | 33          |

**Table of Contents (continued)**

|  | <b>Page</b> |
|--|-------------|
| Nursery Trials with Small Grain  | 34          |
| Uniform Regional Hard Red Spring Wheat Nursery   | 35          |
| Uniform Regional Durum Nursery   | 36          |
| Early Oat Performance Nursery  | 37          |
| Uniform Midseason Oat Performance Nursery  | 38          |
| Uniform Great Plains Barley Nursery  | 39          |
| Uniform Regional Hard Red Winter Wheat Performance Nursery   | 40-41       |
| Cooperative Regional Flax Nursery  | 42          |
| Comparison of Rates and Formulations of Commercial Fertilizer Application<br>on Summerfallow in Western North Dakota             | 43          |
| Fertilizer Rate and Formulation Trial – Dickinson  | 47          |
| Fertilizer Rate and Formulation Trial – Beach  | 47          |
| Fertilizer Rate and Formulation Trial – Glen Ullin   | 48          |
| Fertilizer Rate and Formulation Trial – Off-Station Sites (1969-1970)  | 48          |
| Summary of Wheat Yields on Continuous Cropping, Cornland and<br>Fallow, Fertilized and Unfertilized for the Period of 1959-1970. | 49          |
| Summerfallow Management Study  | 50          |