

TABLE OF CONTENTS

Section I: Research Reports

| | |
|--|----|
| DEVELOPMENT OF HIGH SELENIUM LAMB AS A HUMAN HEALTH FOOD..... | 6 |
| SOUTHWEST FEEDERS PROJECT: EFFECT OF BARLEY HAY VS. BARLEY LEVELS IN A BARLEY PEA HAYLAGE RATION ON WEANED BEEF CALVES IN A BACKGROUNDING ENVIRONMENT..... | 13 |
| EFFECTS OF DORMANT SEASON GRAZING ON HERBAGE PRODUCTION AND PLANT GROWTH..... | 16 |
| INFLUENCE OF DRIED DISTILLERS GRAINS ON FEEDLOT PERFORMANCE AND CARCASS CHARACTERISTICS OF FINISHING LAMBS..... | 31 |
| INFLUENCE OF KATAHDIN BREEDING ON FEEDLOT PERFORMANCE AND CARCASS CHARACTERISTICS OF FINISHING LAMBS..... | 34 |
| WHAT DOES A CATTLE FEEDING INDUSTRY MEAN FOR ADAMS COUNTY? THE ECONOMIC CONTRIBUTION OF CATTLE FEEDING IN ADAMS COUNTY..... | 38 |
| LUNG LESIONS IN LAMBS..... | 40 |
| EFFECT OF PULSE GRAINS ON PERFORMANCE OF NEWLY WEANED FEEDLOT STEERS..... | 46 |
| EVALUATION OF PERFORMANCE AND CARCASS QUALITY OF FINISHING BEEF WITH NATURAL FEEDING PRACTICES IN NORTH DAKOTA..... | 51 |
| UTILIZATION OF FIELD PEA AND SUNFLOWER MEAL AS DIETARY SUPPLEMENTS FOR BEEF COWS..... | 56 |
| PRELIMINARY REPORT: AN EPIDEMIOLOGICAL REVIEW OF A VALINE- ASSOCIATED SCRAPIE OUTBREAK: QUANTIFICATION OF GENETIC RISK AND THE IMPACT OF LATERAL TRANSMISSION IN THE OUTBREAK..... | 62 |
| EFFECTS OF UNDERNUTRITION ON IN VITRO FERTILIZATION (IVF) AND EARLY EMBRYONIC DEVELOPMENT IN SHEEP..... | 69 |

Section II: Sheep Management

SHEARING FEEDER LAMBS.....79

FLOCK CALENDAR OUTLINE.....81

REARING LAMBS ARTIFICIALLY (ORPHANS) – MANAGEMENT TIPS.....85