

Final Exam Review

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Final Exam Saturday Dec 17, 2022

10:05 AM – 12:05 PM 1120 BIOCHEMISTRY THE USUAL CLASSROOM

Goal

Explain what to expect for final exam

Overview new topics since last exam

Idea of how to study

Course Overview

Introduction Exam 1

Production Economics Exam 1

Farm Finance Exam 2

Taxes and Business Arrangements Exam 2

Ag Policy

Commodity Programs

Crop Insurance

New

New Topics: Ag Policy

Introduction to Federal Support of US Agriculture

Commodity Programs

Crop Insurance

Intro to Federal Support of US Ag

- Introductory lecture
- Stylized Facts about US government spending
 - Good for true false or short answer
- Where does agricultural support fit into overall spending
- Farm Bill
 - Major spending categories and relative size
- •COVID support compared to "regular" Farm Bill support?

Commodity Support Programs

Know basic idea of how each program works

- Price Loss Coverage (PLC)
- Agriculture Risk Coverage (ARC)
- Marketing Assistance Loans (MAL)
- Loan Deficiency Payments (LDP)
- Dairy Margin Coverage (DMC)
- Problem Set #7

Commodity Support Programs

- •Eligibility: What makes you eligible to even apply/enroll?
 - What agency?
- •What triggers payments?
 - Given facts, calculate payment (Prob Set #7)
- •What changes payments?
 - How payments change under different circumstances (Prob Set #7)

Commodity Support Programs

- •Terms to know:
 - Base Acres, Payment Yield, Reference Price, County Revenue Guarantee, Loan Rate, National Marketing Year Average Price, Posted County Price, Milk Margin Guarantee
- Problem Set # 7 a good guide to the types of problems
- See slides for general facts to know, especially on MFP & CFAP
- •For ARC, do not worry about how to calculate county revenue guarantee, just how it works once the guarantee is known

Crop Insurance

Crop Insurance Programs

- Yield vs. Revenue Insurance Coverage
- Individual vs. Area-wide Coverage
- YP, RP, AYP, ARP
- How RP-HPE (harvest price exclusion) works differently than "regular" RP policy

Farmer choices

Coverage Level, Price Election, Unit Structure

Crop Insurance

- •Given the facts, know how to calculate indemnities
- •What triggers payments?
- •What circumstances change payments?
- Problem Set #8 for type of problems to expect
- Typical Wisconsin practices (stylized facts)
 - Farmer participation rates in crop insurance
 - What policy type, coverage level, price election, and unit structure do most Wisconsin farmers use?

Crop Insurance

Where do you buy crop insurance?

Crop insurance subsidies and premiums

 What does subsidization of premiums means for farmer returns?

Policy options: RP-HPE, SCO and ECO

Crop insurance stylized facts

- Good for true/false & short answer questions
- Don't worry about DRP, MPP, WFRP, CAT, PRF, ...

- 1) Overview of WI Ag, The US Food System: Stylized facts
- 2) Partial Budget Analysis: Simple case
- 3) Single Input Optimality
 - How much input to use: Value of Marginal Product = Input Price
 - Able to apply in table and calculus formats
 - No multiple input production problem in table or calculus
- 4) Cost Economics: Stylized facts
- Old exams have Average Cost, Marginal Cost, Supply Curve: we did not cover
- 5) Nitrogen in Agriculture, The More-on Principle: Stylized facts

- 1) Depreciation Methods
- Straight Line, IRS Method
- 2) Financial Analysis
 - Read a Balance Sheet and Income Statement and calculate and interpret current ratio, debt to asset ratio, returns and rates of return, profit margins
 - Issues: cost vs market basis, cash vs accrual accounting
- 3) Dairy Farming in Wisconsin, Inelasticity in Agriculture Stylized facts for True/False or short answer

Focus on the issues that stay the same, not details that vary

Don't worry about % rates, annual/lifetime exclusion amounts

Types of Taxes: Ordinary income, self-employment, capital gain, gift

Basic idea of how taxes work: Revenue minus Costs

Benefit of Section 179 Depreciation

Gain = Sale Price — Basis

- What triggers recognition of gain?
 - Sell/buy or give/receive assets?
 - Contribute to or remove from LLC or Corporation
- Why does Basis change? (Death, Depreciation)

Types of Business Arrangements

- Sole proprietor, partnership, corporation (C or S), limited liability company (LLC)
- Main differences: Formation, Taxation, Liability

Exam Study

Use old exams to understand what to expect

Some have material we did not cover (e.g., AC, MC)

New material an important focus

- Problem Sets #7 and #8
- See slides above for key concepts and stylized facts

Comprehensive Exam

- Focus on <u>Key Concepts</u>, Big picture, not details
- Basic things to remember 5 years from now