

## INDEX OF FAST CD RESOURCES

### HOW TO USE THE CD

#### FAST SPREADSHEET TOOLS

##### *Financial Analysis*

**Appraisal of Current Financial Position:** Computes appraisal of current financial position.

**Simple Balance Sheet:** Prepares financial statements for a farm based on beginning and ending balance sheets and revenue and expense items.

**Benchmark Ratio Analysis:** Provides key ratio calculations and benchmarks for Illinois farms based on Sales, Age, Farm Type, Tenure, and All Farms.

**Ratio Calculator:** Calculates key financial performance ratios and identifies strengths or weaknesses of various ratios.

**Cash Flow Planning:** Prepares monthly pro-forma flows for an operation.

**Cash to Accrual Income Approximation:**

Approximates accrual income from a Schedule F.

**Estimation of Deferred Taxes:** Estimates deferred taxes.

**Repayment Capacity Analysis:** Computes the income level needed to support debt payments, income taxes and family living expenditures.

**Net Worth Allocation:** Computes net worth allocation of market value net worth into valuation equity and retained earnings.

##### *Investment Analysis*

**Capital Budgeting:** Computes net present value, compares price and terms, evaluates IRR and MIRR for basic capital budgeting/investment analysis programs.

**Grain Bin Analysis:** Evaluates the feasibility of purchasing a grain bin.

**Land Purchase Analysis:** Calculates maximum bid prices for farmland and sensitivity to terms.

**Lease vs. Purchase:** Compares lease vs. purchase alternative and calculates the terms to make the options equivalent in NPV.

**Machinery Financing:** Calculates annualized cash flows for different methods of financing machinery acquisitions.

**MACRS Calculator:** Calculates tax depreciation schedules for depreciable items.

**Savings Calculator:** Calculates the time value of earnings of investing money.

**Time Value of Money Tools:** Computes interest rate factors and solves basic time value of money problems.

##### *Loan Analysis*

**Loan Amortization:** Calculates principal, interest and outstanding balance.

**Loan Comparison:** Compares loan terms across different loans.

**Revolving Loan Calculator:** Keeps track of accrued interest and revolving loans.

##### *Farm Management*

**Breakeven Analysis:** Computes cost of production breakeven prices.

**Crop Budgeting Tool:** Allows user to budget per-acre returns from different crops.

**Crop Insurance Calculator:** Compares gross revenue under different crop insurance products.

**Enterprise Allocation and Analysis:** Generates cost of production for enterprises using alternative allocation procedures.

**Farmland Lease Analysis:** Calculates revenues, costs, and returns for share rent, cash rent, and dry bushel farmland leases.

**Machinery Economics:** Analyzes chance of completing field work and generates machinery costs.

##### *Grain Marketing and Management*

**Crop Storage Analysis:** Calculates breakeven prices for storage and compares breakeven prices to projected prices.

**Grain Delivery Model:** Calculates revenue and costs for delivering grain to three different points.

**Grain Inventory Management:** Tracks grain inventory from harvest to sale.

##### *Risk Management*

**Crop Insurance Historical Evaluator:** Examines payments from crop insurance products for corn and soybeans.

**Farm Rent Evaluator:** Compares the risks and returns for 7 different types of farm leases.

**Marketing and Crop Insurance Risk Model:** Measures the risk exposure of alternative crop insurance programs and marketing plans.

##### *Yield and Land Database Utilities*

**Illinois Crop Yield Database:** Used to access historic crop yield data from the period 1972-2002 for corn, soybeans, and wheat; sortable by state total, county level, and NASS crop reporting district.

**Iowa Crop Yield Database:** Used to access historic crop yield data from the period 1972-2003 for corn, soybeans, and wheat; sortable by state total, county level, and NASS crop reporting district.

**Illinois Farmland Sales Database:** Database tool used to retrieve and analyze actual Illinois Farmland Sales data from 1970-2000 forecast. Price per acres, acreage, and turnover statistics, as well as individual parcel information can be accessed, and screened by specific acreage and price criteria. Tabular and graphical reports generated by time period and location selected.

**Illinois Soils and Productivity Utilities:** Assists with common computations related to Illinois Soil Productivity measures and associated predicted yields.

##### *Help: Program Descriptions*

Visit *Farmdoc: FAST Tools Web Site*

#### FAST Case Studies and Program Descriptions

**Cash Flow Planning – Hoosiers:** Generates an annual profitability and cash flow for an example farm operation, “Hoosiers.”

**Simple Balance Sheet – Prior Case:** Generates financial statements for an example farm operation, “Prior.”

**Enterprise Allocate:** Generates cost of production for enterprises using alternative allocation procedures for an example farm operation, “Allis.”

#### INSTALL CD RESOURCES

Install Tools and Resources CD to Hard Drive  
Acrobat Reader Install  
Acrobat Reader Web Site

#### HOW TO USE THE CD

Directions for using the FAST Tools and Resources CD

#### CD CONTENTS

Index of FAST CD

#### EXPLORE CD RESOURCES

By clicking this button, you are directed to the C: of your computer using Windows Explorer. While in Windows Explorer, click on Program Files. To locate information found on the FAST CD, click on FAST Resources. The spreadsheets are in the “Spreadsheets” folder and the program descriptions are in the “Program Descriptions” folder.

**AGMAS Reports**

2004

The Profitability of Technical Analysis: A Review  
 Crop Farmers' Use of Market Advisory Services  
 Advisory Service Marketing Profiles for Soybeans in 2001  
 Advisory Service Marketing Profiles for Corn in 2001

2003

Understanding USDA Corn and Soybean Production  
 Forecasts: An Overview of Methods, Performance and Market Impacts  
 The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2001: A Non-Technical Summary  
 The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2001  
 Advisory Service Marketing Profiles for Soybeans Over 1995-2000  
 Advisory Service Marketing Profiles for Corn Over 1995-2000  
 Portfolios of Agricultural Market Advisory Services: How Much Diversification is Enough?  
 New Generation Grain Marketing Contracts

**CROP INSURANCE RESOURCES**

Guidelines For Choosing Among Crop Products

CAT: Catastrophic Insurance

Strong farm financial position, low yield variability, no crop disasters

APH: Actual Production History Insurance

Moderate to vulnerable financial position, use of pre-harvest hedging, high yield variability, some high-risk farmland

IP or RA-BP: Income Protection Insurance/Revenue Assurance Insurance

Moderate to vulnerable financial position, little use of pre-harvest hedging, desires a revenue guarantee

CRC or RA-HP: Crop Revenue Coverage

Insurance/Revenue Assurance Insurance  
 Moderate to vulnerable financial position, aggressive use of pre-harvest hedging, desires a revenue guarantee

GRP: Group Risk Plan Insurance

Strong financial position, relatively high-quality farmland or farm yields closely track county yields, use of pre-harvest hedging

GRIP-NoHR: Group Risk Income Plan Insurance

Strong financial position, relatively high-quality farmland or farm yields closely track county yields, little use of pre-harvest hedging

GRIP: Group Risk Income Plan Insurance

Strong financial position, relatively high-quality farmland or farm yields closely track county yields, little use of pre-harvest hedging

**FARM INCOME 2005 PROCEEDINGS**

Farm Income Situation

Outlook for Commodity Prices

More Corn and Less Soybeans? Does it Pay?

The WTO, the Federal Budget, and Future Farm Policy

FAST Tools: Hands-on Computer Applications

Farmland Markets in Illinois: Historical Context and Contemporary Issues

Legal Checkup: Land and Recreation Use Liabilities

Sizing up Your Marketing Advisory Program

Executive Summary: All Presentations

**FARM MANAGEMENT RESOURCES**

Farm Economics: Facts and Opinions

Advance Report: 2003: Farm Income and

Production Cost Summary

Costs of Operating Machinery

Summary

Combines

Tractors

Field Operations

Forage Operations

Costs of Production

Cost to produce corn and soybeans

Hog production costs and profits by quarter

Costs to produce hogs

Costs to produce milk

Costs to produce beef

Family Living Expenditures

Crop Budgets

Corn following corn

Corn following soybeans

Soybeans

Wheat

Double crop soybeans

Alfalfa- establishment year

Alfalfa- after establishment

Crop Revenue Less Variable Costs

Northern Illinois

Central Illinois, high productivity level

Central Illinois, low productivity level

Southern Illinois

Hog Budgets

Nursery and finishing costs

Farrowing costs for weaned pigs

Feeder pig and farrow-to-finish costs

Quantities for different feed conversions

Feed costs for different feed conversions

Break-even feeder pig prices

Break-even feeder pig prices for different prices

Investment costs for nursery and finishing buildings

Historic costs for finishing pigs from 45 to 255 pounds

Historic costs for finishing pigs from 10 to 255 pounds

Farmland Index Numbers

Editable Leasing Forms

Cash rent lease

Crop share lease

Share Rent Leasing Characteristics by Crop Reporting District

Northwest

Northeast

Western

Central

Eastern

West Southwest

East Southeast

Southeast

Southwest

**FINANCIAL MANAGEMENT RESOURCES**

A Farmer's Guide to Agricultural Credit

Getting Ready to Prepare a Balance Sheet

Financial Statement Primer: Slideshow

Credit Analysis Reports

Family Living Tables

Financial Characteristics 2002-2003

Financial Characteristics Historical Tables

Machinery Investment Per Acre

Time Value of Money Concepts

Investment Analysis and Capital Budgeting Guide

**GRAIN MARKETING RESOURCES**

Weekly Outlook Newsletter  
Grain Price Outlook Newsletter

**ILLINOIS RURAL POLICY CENTER DIGEST**

**LAW AND TAXATION PUBLICATIONS**

Starlink

Non-StarLink Farmer Litigation: Where Is My  
Settlement Payment?  
How Much Is It? What Do I Do When It  
Arrives? How Is It Taxed?

Agricultural Biotechnology

Regulating Genetically Engineered Foods  
Biotechnology and the Pew Initiative

Selling Agricultural Products

New Assessments On Farmers And Lender  
Greater Protection To Farmers And Lenders If  
A Grain Elevator Fails

Acquiring Farmland

Lease Forms (Cash and Crop Share)  
The Illinois Landlord's Lien: Securing  
Agricultural Rent Payments after August 21,  
2002  
Notice to Terminate Farm Leases  
Water, Natural Resources & Environment

Illinois Drainage

Using Water From Streams  
Using Groundwater  
Pesticide Drift

Labor Law

Child Labor Law

Taxation

Internal Revenue Code §179 Expensing  
New 50% Special Depreciation Allowance  
Combining the 30%/50% Special Depreciation  
Allowance with the IRC §179 Expensing  
Allowance  
Taxation of Commodity Credit Loans  
Agricultural Labor Taxation  
Self Employment Tax on CRP Payments  
Self Employment Tax on Rented Farmland  
Charitable Contributions of Commodities