

# Hazelnut Economics:

- **Cost and Returns of Establishing a Standard vs. Double Density Orchard**
- **Rejuvenating an Existing Orchard**
- **Establishing an Equitable Lease**
- **Structuring Management Agreement**

Clark Seavert

Professor, Department of Applied Economics

Executive Director, NW Agribusiness Executive Seminar

Oregon State University



[www.agbizlogic.com](http://www.agbizlogic.com) check out our resources page for this presentation

## *Orchard Renewal Decisions should be based on Capital Investment Analysis*

Capital investment analysis is a budgeting procedure to assess the potential profitability of a long-term investment. The goal is to pinpoint the the most likely profitable option, at a minimum, based on a discounted cash flow analysis – net present value and internal rate of return.

*Orchard Renewal Decisions should be  
based on Capital Investment Analysis*

*Block-by-block accounting is essential!*

**85 percent of agricultural producers do not have adequate accounting data to complete an accurate, meaningful capital investment analysis!**

## Profitability

Can I Make Money Doing This?

1. Net Present Value
2. Internal Rate of Return



## Feasibility

Can I Afford To Do This?

1. Cash Flow Analysis
  - Year to cash flow
  - Payback period
  - Costs to implement

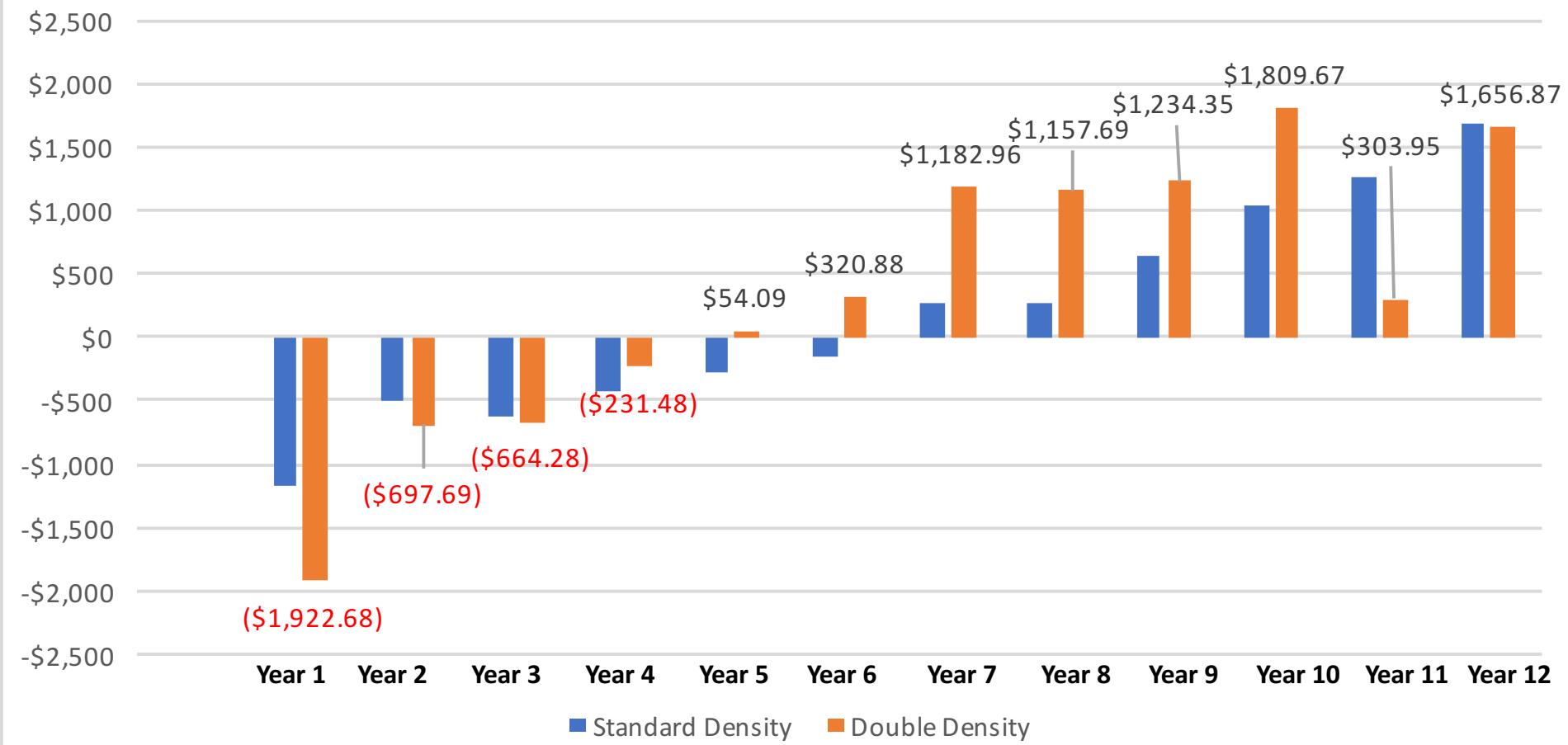
## *THREE Key Factors to Successful Orchard Renewal*

- 1. Price**
- 2. Yield (When & How Much)**
- 3. Costs – Production & Establishment**

### Hazelnut Yields Assumed in *AgBiz Logic* Scenario

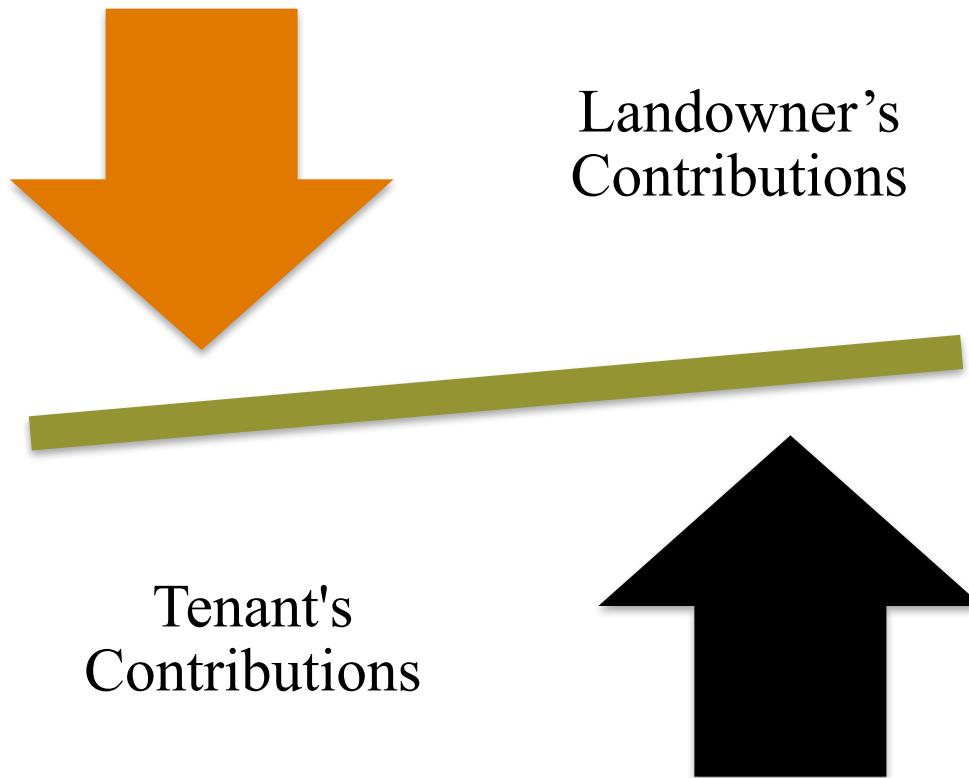
	Standard Density	Double Density
Year 1	0	0
Year 2	0	0
Year 3	75	150
Year 4	285	570
Year 5	440	880
Year 6	600	1,200
Year 7	1,100	2,200
Year 8	1,200	2,300
Year 9	1,600	2,400
Year 10	2,000	3,000
Year 11	2,300	2,300
Year 12	2,800	2,800

## Net Returns of Establishing a Standard and Double Density Hazelnut Orchard



\$1.00 per Pound		\$1.25 per Pound	
Standard Density	Double Density	Standard Density	Double Density
<b>Net Present Value 6% Discount Rate</b>		<b>Net Present Value 6% Discount Rate</b>	
\$ 1,019      \$ 2,203		\$4,977      \$7,035	
<b>Internal Rate of Return</b>		<b>Internal Rate of Return</b>	
<b><u>\$10k/\$20k Land Value</u></b>		<b><u>\$10k/\$20k Land Value</u></b>	
6.51%	7.09%	8.33%	9.29%
<b><u>\$15k/\$20k Land Value</u></b>		<b><u>\$15k/\$20k Land Value</u></b>	
4.37%	4.86%	5.99%	6.79%

**An equitable lease is one that compensates the tenant and landowner proportional to their contributions to the production of a crop for the duration of a lease.**



# Total Costs of Establishing a Standard Density Hazelnut Orchard

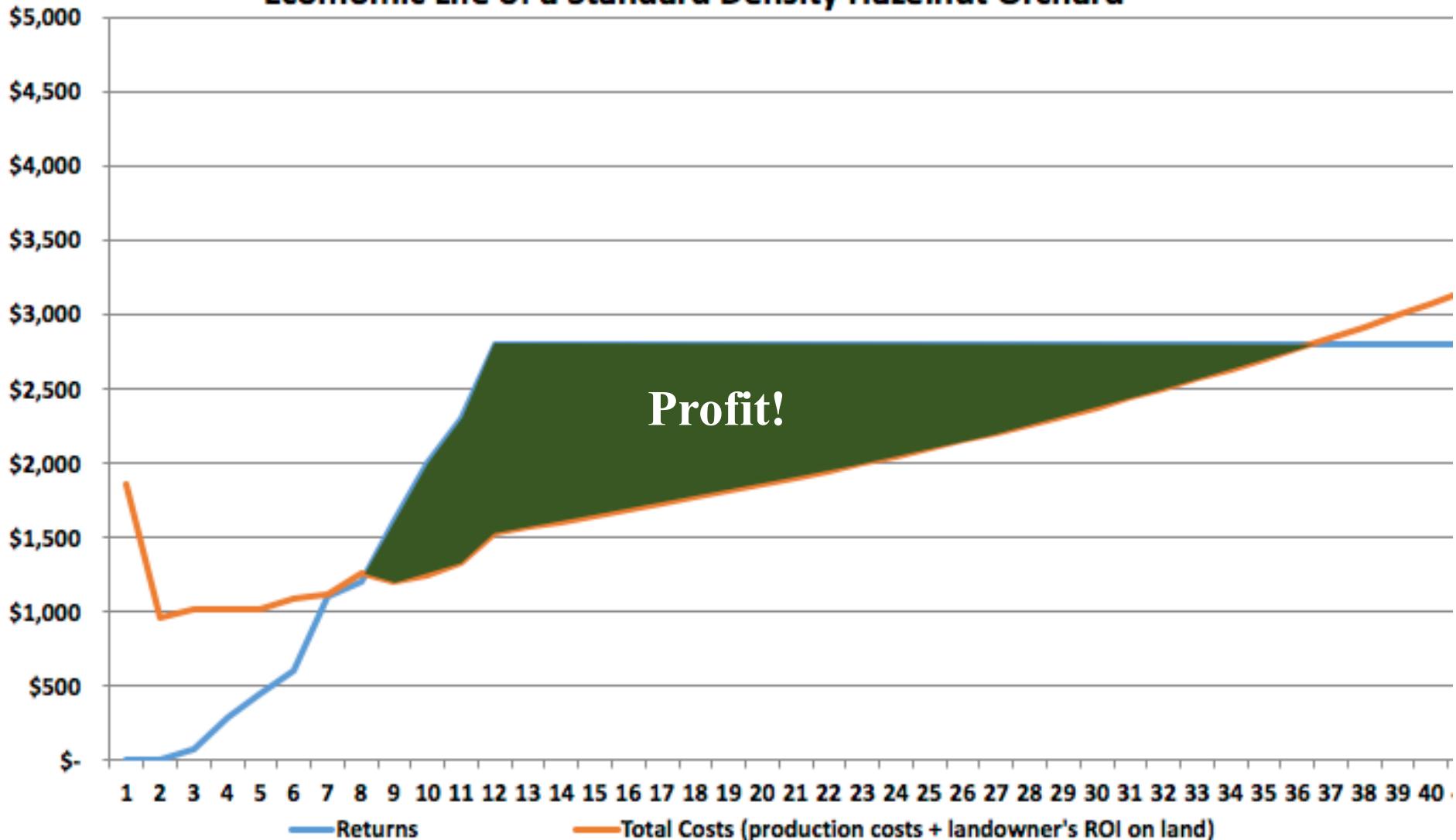
Costs/Value of Investment	Landowner's Share	Tenant's Share
Land	✓	
Property Taxes	✓	
Irrigation System/Assessment	✓	
Long-term Assets on the Land*	✓	
Buildings/Shop/Similar Assets*	✓	✓
Machinery and Equipment*	✓	✓
Trucks, Vehicles, ATV, etc.*	✓	✓
Production Inputs	✓	✓

\*That are used in the production of Hazelnuts for this lease only

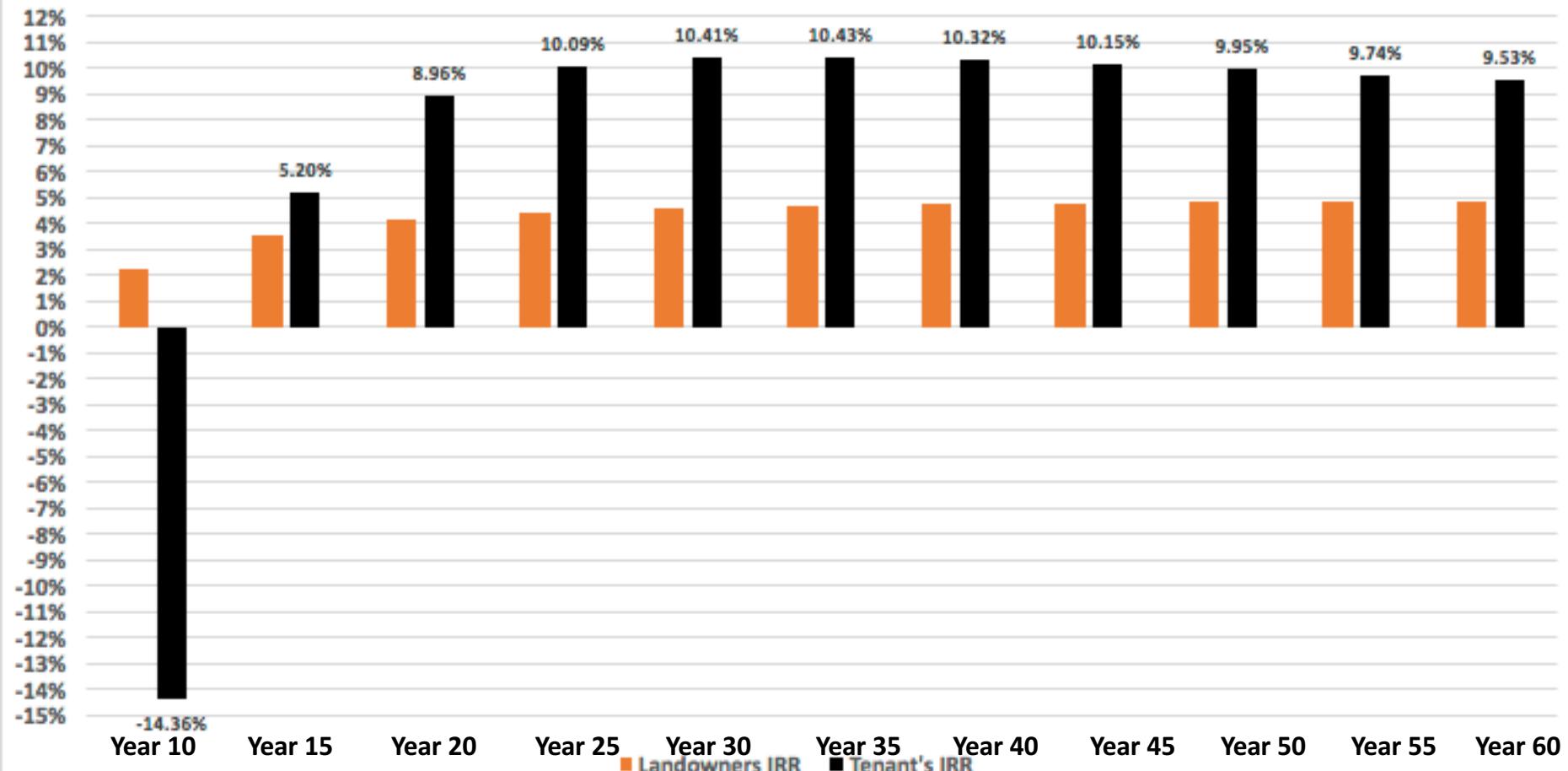
### Landowner's Investment Parameters:

Value of land investment:	\$	10,000
Annual rate of land appreciation (%):		0.50%
Annual rate of return on investment (ROI) of land (%):		3.00%
Inflation rate for the improvements on the land (%):		2.00%
Beginning value of improvements on the land:	\$	-
Ending value of improvements on the land:	\$	(500.00)

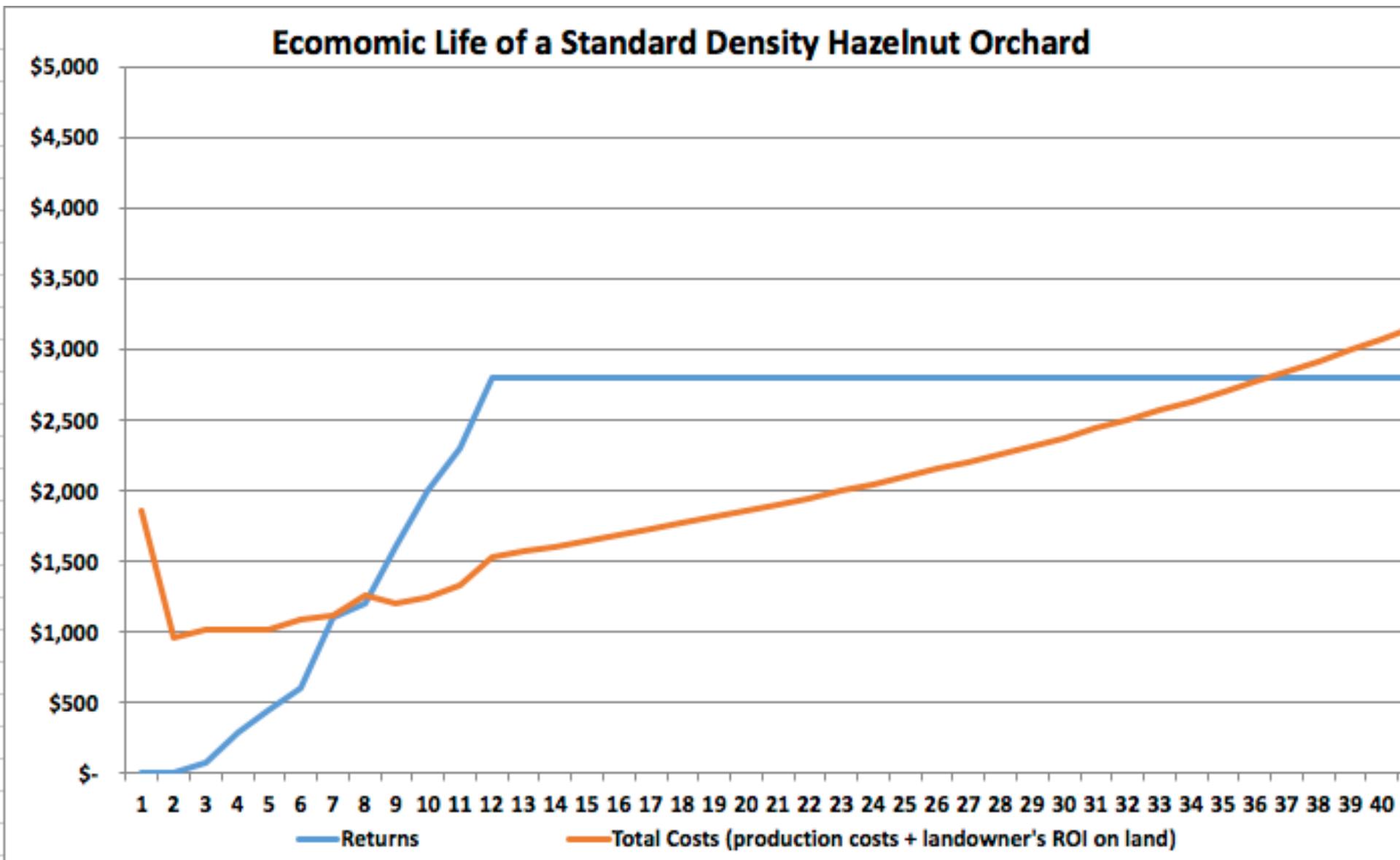
## Economic Life of a Standard Density Hazelnut Orchard



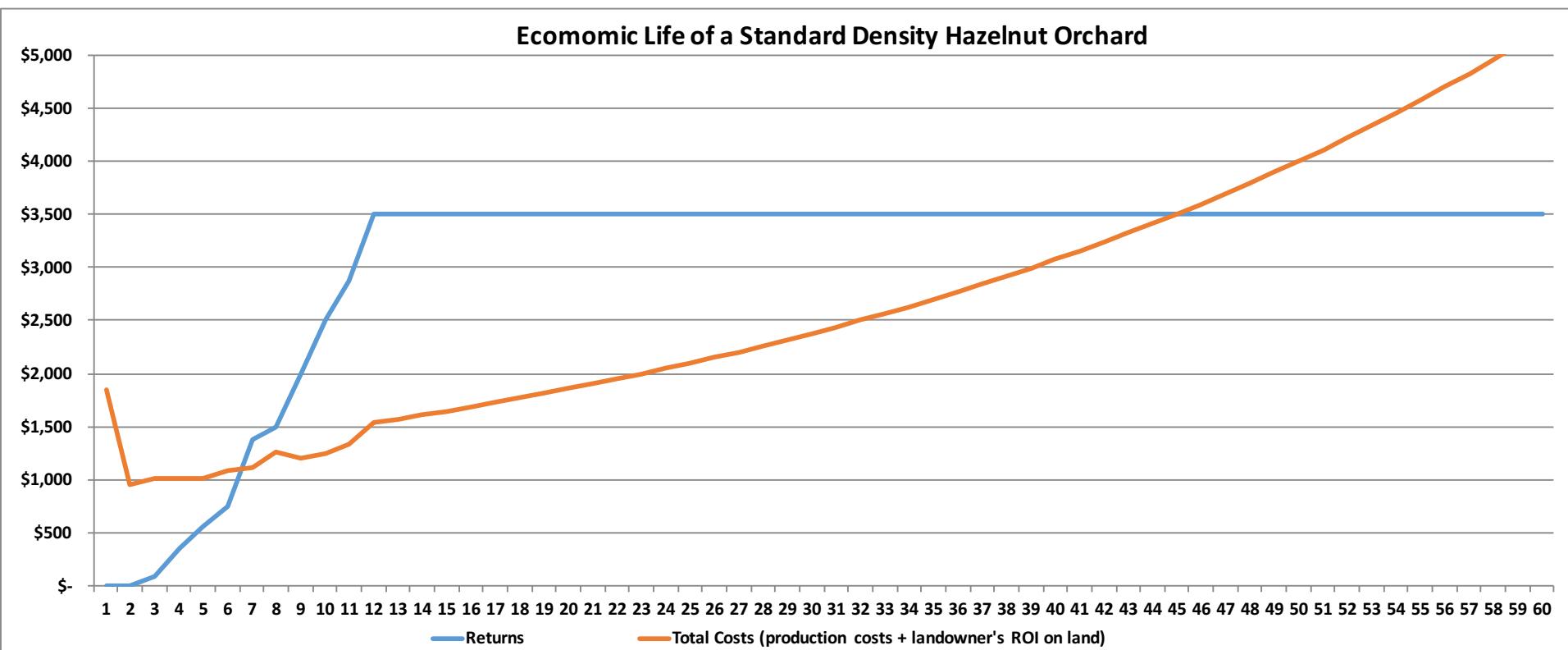
## Internal Rate of Return (ROI) for Establishing a Standard Density Hazelnut Orchard for Landowner and Tenant , 60 Years



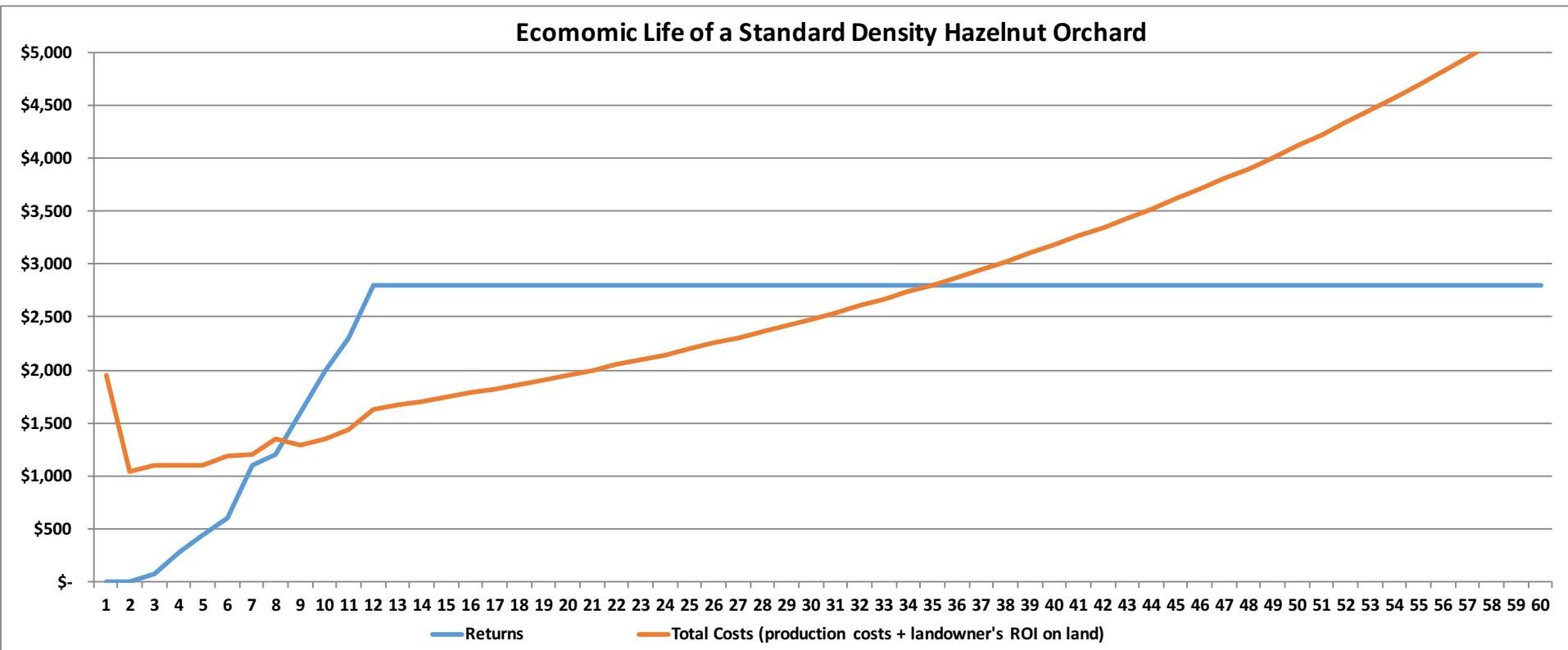
Assumed \$1.00/Lb Nuts, No Price Inflation, 3% Inflation on Costs; \$12,000/acre Land  
**Economic Life of Orchard = 36 Years**



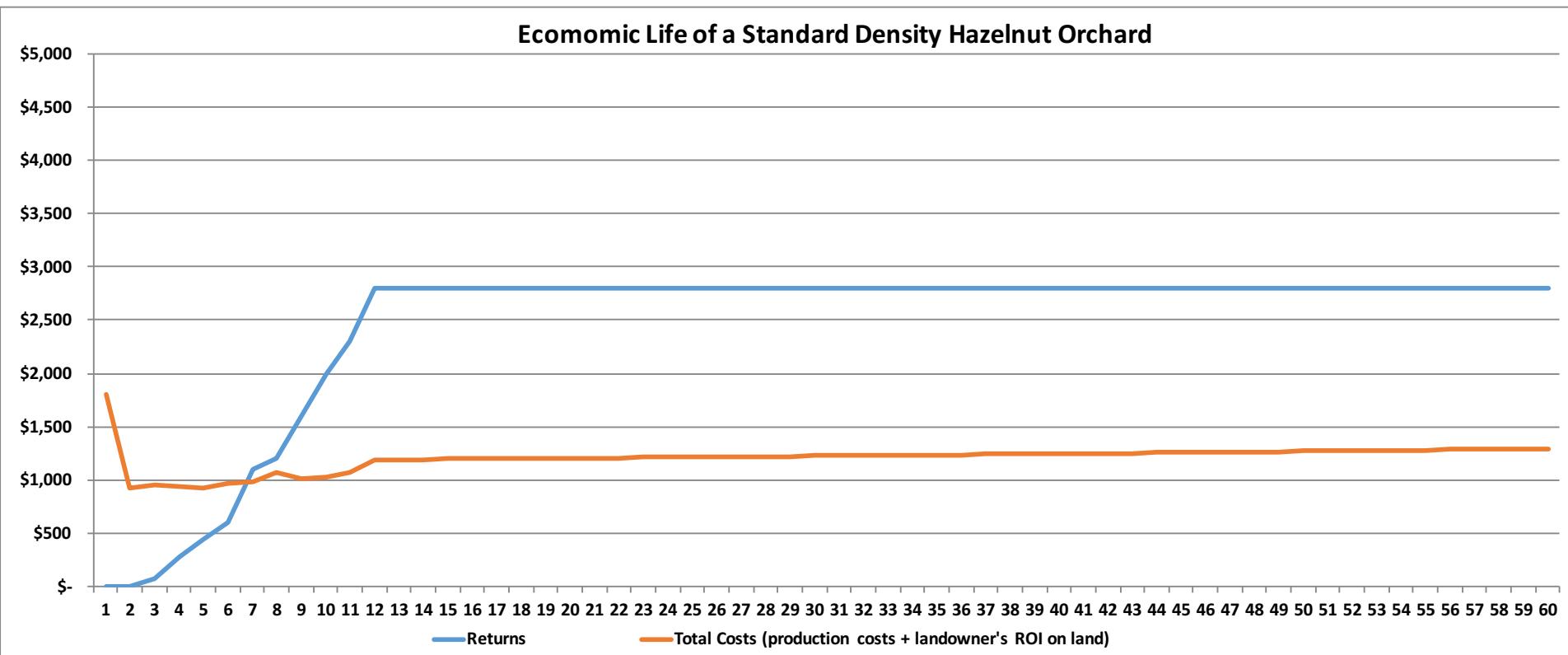
Assumed \$1.25/Lb Nuts, No Price Inflation, 3% Inflation on Costs; \$12,000/acre Land  
**Economic Life of Orchard = 45 Years**



Assumed \$1.00/Lb Nuts, No Price Inflation, 3% Inflation on Costs; \$15,000/acre Land  
**Economic Life of Orchard = 34 Years**



Assumed \$1.00/Lb Nuts, No Price Inflation, 0% Inflation on Costs; \$12,000/acre Land  
**Economic Life of Orchard = Infinity**



## Equitable Crop-Share Lease

\$1.00/lb Nuts; No Price Inflation; 3% Cost Inflation; 35 Year Lease

Landowner Share	Tenant Share
<b>29.55%</b>	<b>70.45%</b>

### Financial Feasibility

	Landowner	Tenant
The year returns are greater than annual costs/investments:	9	9
The year returns are greater than total costs/investments of all previous years:	16	14
Total cash cost to implement:	\$ 2,180	\$ 3,380
Internal rate of return:	<b>8.43%</b>	<b>9.71%</b>

## Annual Cash Rent Payments: Based on 3-Year, 5-Year and 10-Year Intervals





AgBiz Logic™

Username

Password

Log in

Sign up

# Data is always in Season

Thank you for visiting the **AgBiz Logic™** web site. This site is an economic, financial and environmental accounting decision tool to assist agribusinesses that grow, harvest, package, add-value, and sell agricultural products.

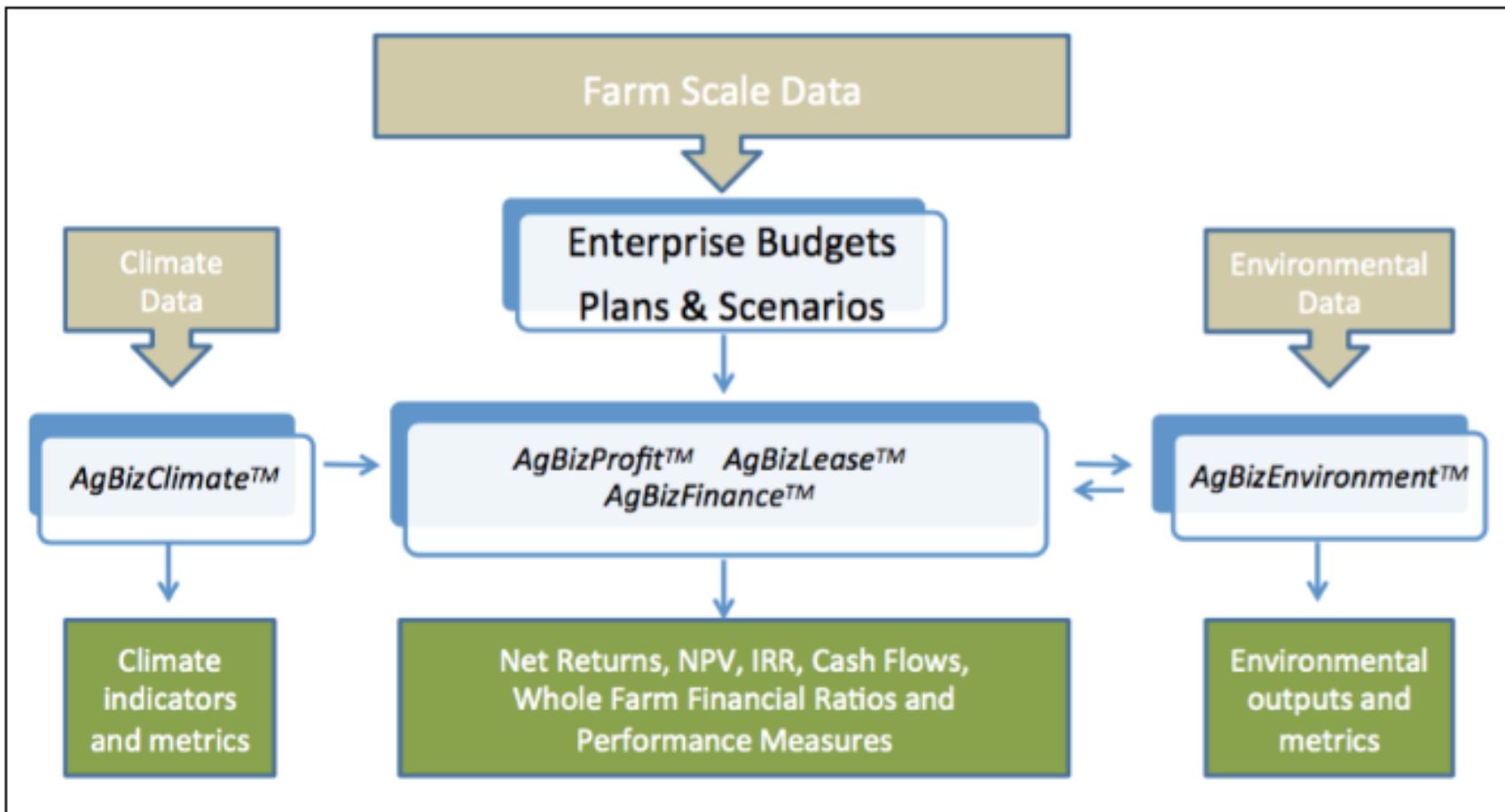
[Sign Up Free](#)

**www.agbizlogic.com**

# What is *AgBiz Logic*?

*AgBiz Logic (ABL)* is a suite of economic, financial, and environmental decision-support tools that enable producers to increase or assess profitability while assessing environmental trade-offs.

# *AgBiz Logic Platform*



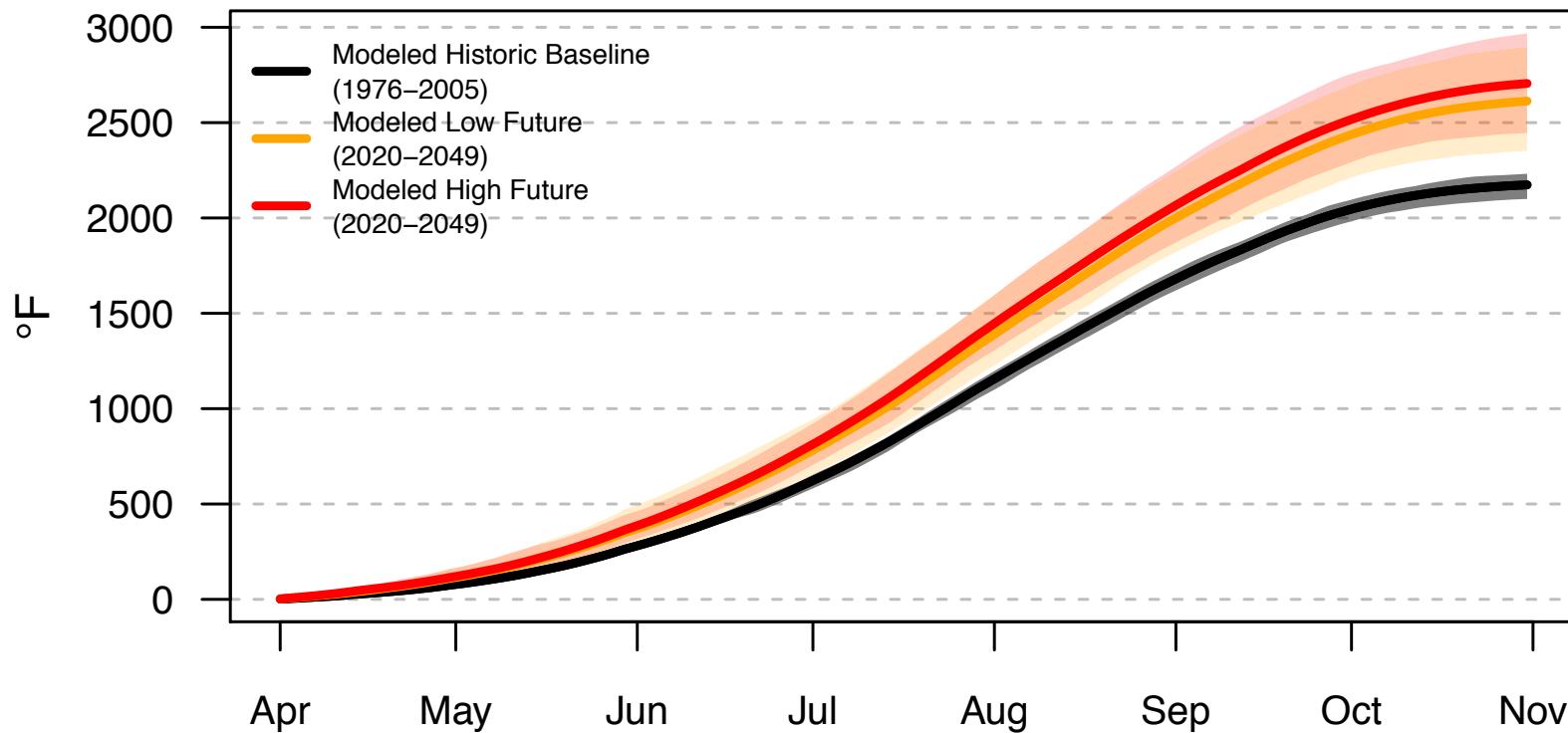
Add New Variable:

Add

## Selected Variables

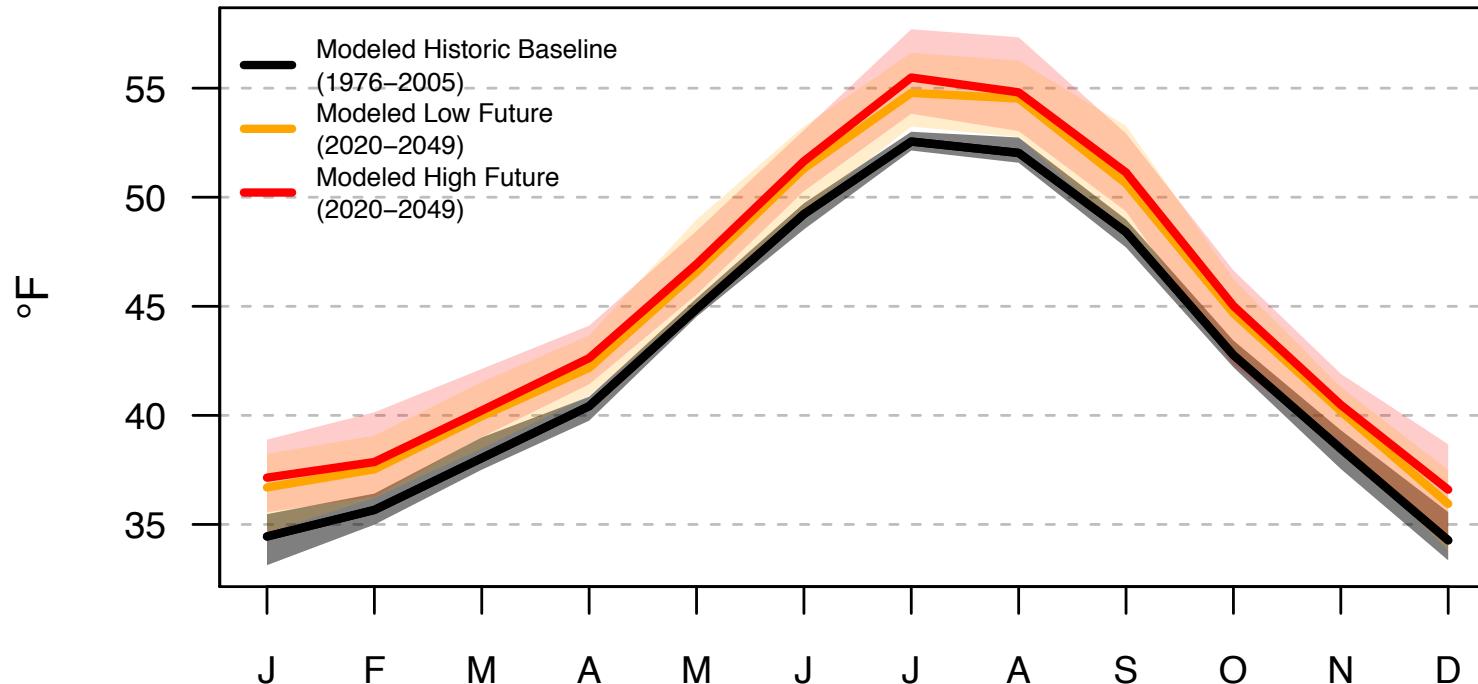
- ✓ Select
  - Number of Consecutive Dry Days
  - Number of Consecutive Wet Days
  - Number of Nights Below Freezing
  - Growing Season Length per Year
  - Number of Warm Nights
  - Number of Heat Wave Events
  - Number of Very Heavy Precipitation Days
  - Diurnal Temperature Range
  - Accumulated Seasonal Precipitation
  - Seasonal Minimum Temperature
  - Seasonal Maximum Temperature
  - Accumulated Chilling Hours
  - Accumulated Growing Degree Days

## Accumulated Growing Degree Days (Base 50°F) Corvallis



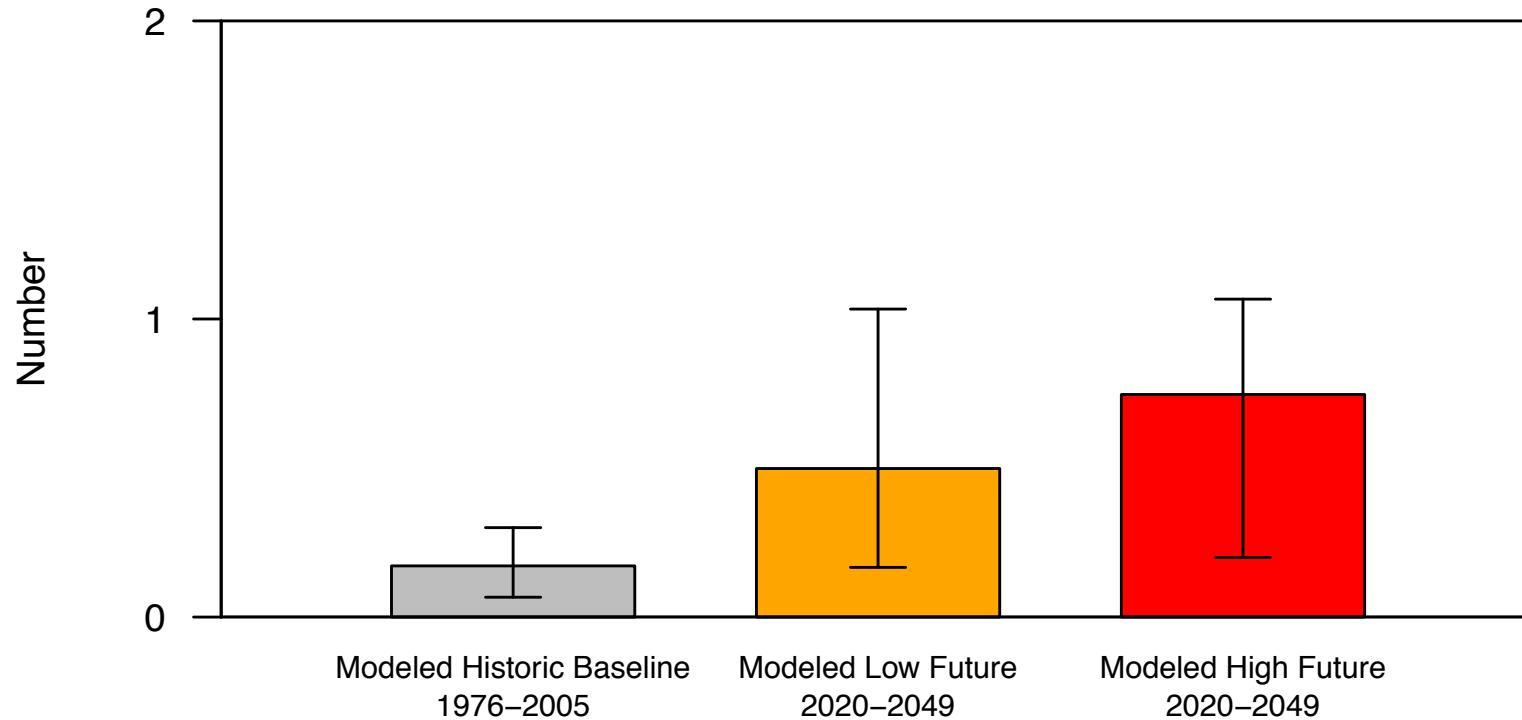
By the 2030s, accumulated growing degree days from April 1 to October 31 is expected to increase by 440 degree-hours for the low emissions future and by 532 degree-hours for the high emissions future compared with the historical baseline.

## Minimum Temperature Corvallis



By the 2030s, minimum temperature is expected to increase during all months by 1.7° to 2.5°F for the low emissions future and by 2° to 2.9°F for the high emissions future depending on the month compared with the historical baseline.

## Number of Heat Waves per Year Corvallis



By the 2030s, the frequency of heat wave events (3+ consecutive days above 95°F) per year is expected to increase by 0.3 occurrences for the low emissions future and by 0.6 occurrences for the high emissions future compared with the historical baseline.

10100  
01101  
11010  
10110

Data is Always in Season.™

# Northwest Climate Toolbox

MAPPING

TIME SERIES

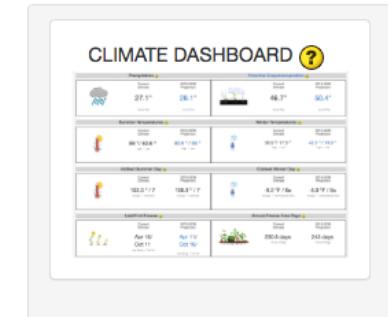
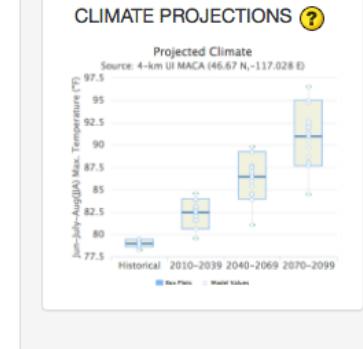
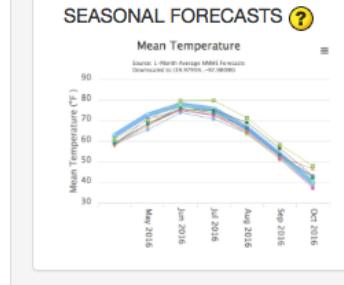
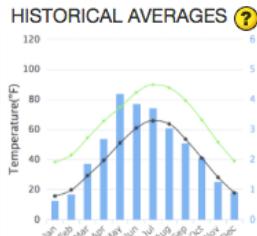
DASHBOARD

DECISION SUPPORT

ABOUT

## Climate and Weather Tools

Step 1: **SELECT LOCATION** 



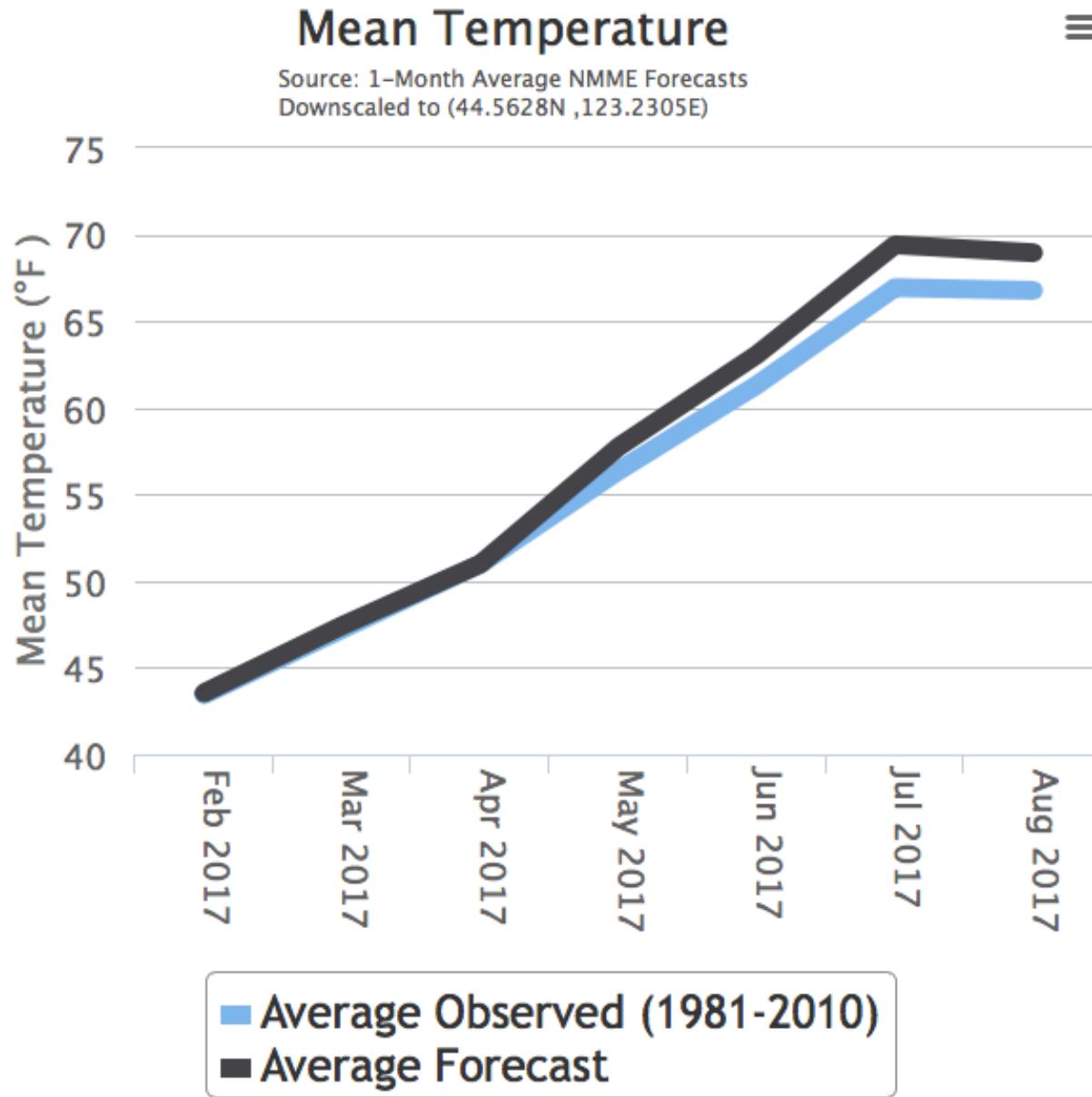
All tools were developed in the [Chrome Web Browser](#).

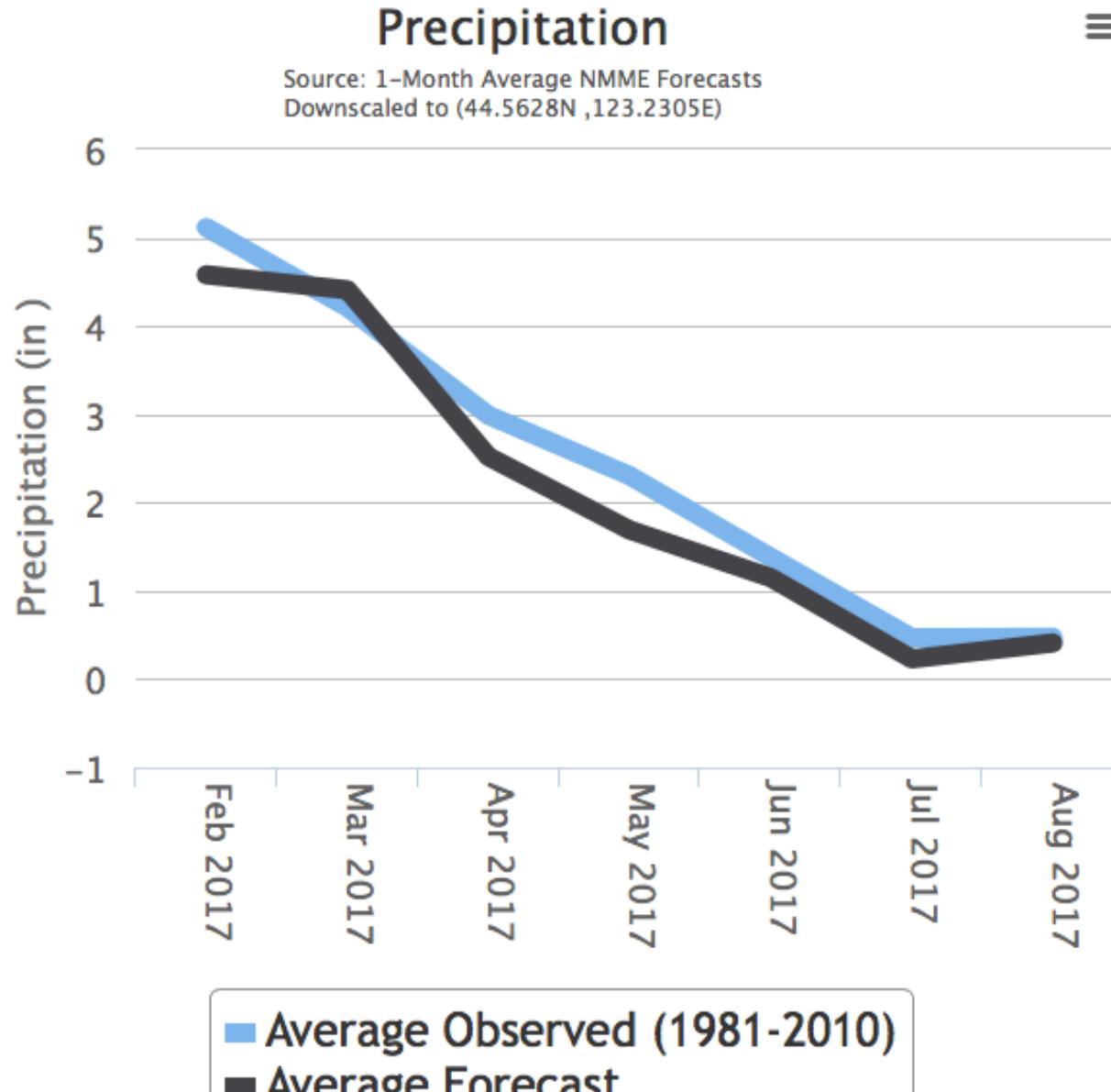
University  
of Idaho



NKN  
Northwest Knowledge Network

**NW CSC**  
Northwest Climate Science Center





<http://climate.nkn.uidaho.edu/REACCH/seasonalForecasts.php?latitude=44.5803&longitude=123.2135&pointName=>

# Farm-level Data is “King” in *AgBiz Logic*

- Cost and return (enterprise) budgets are the foundation of *ABL*
- Three methods of data collection within *ABL*:
  - ✓ Schedule F (Form 1040) Federal tax returns
  - ✓ Import data from accounting system via .csv/.exe files
  - ✓ University & industry enterprise budgets

# Data Collection – Schedule F



IAMTESTIN

## Transfer your business data to AgBiz Logic

The first step toward utilizing AgBiz Logic decision tools is to populate AgBiz Logic with income and expense data generated from your business. Once this information is entered, you'll be able to allocate income and expenses to create enterprise budgets for personalized scenarios.

We provide three methods for collecting your business data. Select one from the list below, and proceed through the steps provided.

- Enter information from your Schedule F/Form 1040
- Import data from your accounting system or spreadsheet
- Select existing University Budget(s) (if you don't have your own data)

# Data Collection – Schedule F



Alpha 1.0 (pre-release)

## Enter information from your Schedule F (Form 1040)

### Step 2 of 4

Next, enter data from: Part I: Farm Income - Cash Method.

Line 1a. Sales of livestock and

other resale items:

Line 1b. Cost or other basis of

livestock or other items:

Line 1c. Subtract line 1b from line

1a:

Line 2. Sales of livestock, produce,

grains and other products you

raised:

Line 3a. Cooperative distributions

(1099-PATR):

Line 3b. Taxable amount:

Line 4a. Agricultural program

payments:

Line 4b. Taxable amount:

# Data Collection – Schedule F



Alpha 1.0 (pre-release)

## Summary of information entered from Schedule F (Form 1040)

### Step 4 of 4

Review the data you entered and confirm Net Profit or Loss in AgBiz Logic matches your Schedule F form. If you need to make changes, click the Back button.

Gross Income: \$ 4,224,000 .00

Total Expenses: \$ 2,072,000 .00

Net Profit or Loss: \$ 2,152,000 .00

## Income

Line Category	Amount
Line 1a. Sales of livestock and other resale items:	\$350,000
Line 1b. Cost or other basis of livestock or other items:	\$50,000
Line 1c. Subtract line 1b from line 1a:	\$300,000
Line 2. Sales of livestock, produce, grains and other products you raised:	\$3,500,000
Line 3a. Cooperative distributions (1099-PATR):	\$3,000
Line 3b. Taxable amount:	\$1,500
Line 4a. Agricultural program payments:	\$60,000
Line 4b. Taxable amount:	\$60,000
Line 5a. Commodity Credit Corporation (CCC) loans reported under election:	\$0

# Data Collection – Import from Accounting System



IAMTESTIN

## Transfer your business data to AgBiz Logic

The first step toward utilizing AgBiz Logic decision tools is to populate AgBiz Logic with income and expense data generated from your business. Once this information is entered, you'll be able to allocate income and expenses to create enterprise budgets for personalized scenarios.

We provide three methods for collecting your business data. Select one from the list below, and proceed through the steps provided.

- Enter information from your Schedule F/Form 1040
- Import data from your accounting system or spreadsheet
- Select existing University Budget(s) (if you don't have your own data)

# Data Collection – Import from Accounting System



Alpha 1.0 (pre-release)

YogiBerra ▾

## Convert your accounting data to AgBiz Logic

Drag income & expense items highlighted in green on the left to the AgBiz Logic standardized categories on the right, as demonstrated here.

Note: Negative values convert to positive, per standard accounting practices.

Mayberry Farms 2015 Expenses by Category

Category	Total for Category
L-T asset replacement and section 179	\$250,000.00
Veterinary, breeding, ....	\$40,000.00
Utilities	\$40,000.00
Supplies	\$10,000.00
Storage and warehousing	\$25,000.00
Seeds and plants	\$60,000.00
Sales of livestock to be resold	\$350,000.00
Sales of grains and oil crops	\$3,500,000.00
Repairs and maintenance	\$30,000.00
Rent or lease: (land, animals, etc.)	\$150,000.00
Property taxes	\$9,000.00
Pension and profit-sharing plans	\$15,000.00
Other income	\$12,500.00
Other expenses: Other miscellaneous	\$50,000.00
Other expenses: miscellaneous	\$10,000.00
Mach, equip, vehicle: rent or lease	\$52,000.00
Labor hired (less employment)	\$200,000.00
Interest on loans and mortgages	\$350,000.00
Insurance (other than health)	\$50,000.00
Gasoline, fuel and oil	\$100,000.00
Freight and trucking	\$28,000.00
Fertilizers and lime	\$75,000.00
Feed	\$13,000.00
Employee benefit programs	\$300,000.00
Custom hire (machine work) income	\$150,000.00
Custom hire (machine work)	\$20,000.00
Crop insurance proceeds	\$200,000.00
Cost of goods sold	\$50,000.00
Cooperative distributions	\$1,500.00
Conservation expenses	\$25,000.00
Chemicals	\$160,000.00

### Select an AgBiz Logic Income/Expense Category:

- Select your option
- Income
  - Sales of livestock, produce, grains and other products
  - Cooperative distributions received
  - Agricultural program payments
  - Commodity Credit Corporation
  - Crop insurance proceeds & federal crop disaster payments
  - Specified custom hire (machine work) income
  - Other income
- Expenses
  - Cost of goods sold
  - Car and truck expenses
  - Chemicals
  - Conservation expenses
  - Custom hire (machine work)
  - L-T asset replacement and section 179 expense
  - Employee benefit programs
  - Feed
  - Fertilizers and lime
  - Freight and trucking
  - Gasoline, fuel, and oil
  - Insurance (other than health)
  - Interest on loans and mortgages
  - Labor hired (less employment credits)
  - Pension and profit-sharing plans
  - Machinery, equipment or vehicle rent or lease
  - Land and animal rent or lease
  - Repairs and maintenance
  - Seeds and plants
  - Storage and warehousing
  - Supplies
  - Property taxes
  - Utilities
  - Veterinary, breeding, and medicine
  - Other expenses

10100

# Business Allocation



AgBiz Logic™

AgBizClimate

AgBizProfit

AgBizLease

AgBizFinance

AgBizEnvironment

## Allocate your business information

To begin, select all enterprises that apply to your business:

Crop

Livestock

Nursery

Back

# Business Allocation

## Income

Category	Total	Crop <small>?</small>	Livestock <small>?</small>	Whole Farm <small>?</small>	\$ or % <small>?</small>
Sales of livestock, produce, grains and other products	\$3,800,000	\$ 3,000,000	\$ 800,000	\$0	%
Cooperative distributions received	\$3,000	\$ 0	\$ 0	\$3,000	%
Agricultural program payments	\$60,000	\$ 60,000	\$ 0	\$0	%
Commodity Credit Corporation	\$0	\$ 0	\$ 0	\$0	%
Crop insurance proceeds and federal crop disaster payments	\$200,000	100%	0%	\$0	\$
Specified custom hire (machine work) income	\$150,000	\$ 0	\$ 0	\$150,000	%
Other income	\$12,500	\$ 0	\$ 0	\$12,500	%



# Business Allocation

## Summary

Here is a summary of your allocated business income and expenses.

	Income	Expenses	
Category	Crop	Livestock	Whole Farm
Sales of livestock, produce, grains and other products	\$20	\$20	\$20
Cooperative distributions received	\$15	\$15	\$15
Agricultural program payments	\$15	\$15	\$15
Crop insurance proceeds and federal crop disaster payments	\$15	\$15	\$15
Specified custom hire (machine work) income	\$10	\$10	\$10
Other income	\$10	\$10	\$10
<b>Total</b>	<b>\$85</b>	<b>\$85</b>	<b>\$85</b>

## Summary

Here is a summary of your allocated business income and expenses.

	Income	Expenses	
Category	Crop	Livestock	Whole Farm
Cost of goods sold	\$0	\$50,000	\$0
Car and truck expenses	\$9,200	\$800	\$0
Chemicals	\$160,000	\$0	\$0
Conservation expenses	\$25,000	\$0	\$0
Custom hire (machine work)	\$20,000	\$0	\$0
L-T asset replacement and section 179 expense	\$187,500	\$62,500	\$0
Employee benefit programs	\$270,000	\$15,000	\$15,000
Feed	\$0	\$13,000	\$0
Fertilizers and lime	\$73,500	\$1,500	\$0
Freight and trucking	\$20,000	\$8,000	\$0
Gasoline, fuel and oil	\$75,000	\$15,000	\$10,000
Insurance (other than health)	\$40,000	\$0	\$10,000

# Enterprise Allocation



## Allocate your enterprise information

Follow the prompts to specify your enterprises, assigning attributes such as Type, Class, and Commodity. You can add as many types of enterprises as needed by using the "Add" button.

### Choose your enterprise

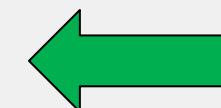
Select an Enterprise

Enterprise Type

Market

Crop

- Select-
- Berry Crops
- Cereal Grains
- Feed
- Legumes
- Nut Crops
- Oil
- Row Crops
- Seed
- Tree Fruit
- Vine Crops



### Your enterprises so far:

Enterprise

Enterprise Type

# Enterprise Allocation



## Allocate your enterprise information

Follow the prompts to specify your enterprises, assigning attributes such as Type, Class, and Commodity.

You can add as many types of enterprises as needed by using the "Add" button.

### Choose your enterprise

Select an Enterprise

Crop

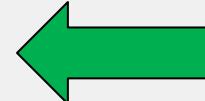
Enterprise Type

Nut Crops

Commodity

- ✓ -Select-
- Almonds
- Hazelnuts
- Macademia Nuts
- Pecans
- Pistachios
- Walnuts

Market



### Your enterprises so far:

Enterprise	Enterprise Type	Production/Commodity Type	Class

10100

# Enterprise Allocation



## Allocate your enterprise information

Follow the prompts to specify your enterprises, assigning attributes such as Type, Class, and Commodity.

You can add as many types of enterprises as needed by using the "Add" button.

### Choose your enterprise

Select an Enterprise

Enterprise Type

Commodity

- Market  -Select-  
Conventional  
GMO  
Local  
Natural  
Organic  
Other
- 

### Your enterprises so far:

Enterprise	Enterprise Type	Production/Commodity Type	Class

[Back](#)

# Enterprise Budget for Hazelnuts, can be at the block level!

AgBiz Logic™ AgBizClimate AgBizProfit AgBizLease AgBizFinance AgBizEnvironment

## Hazelnuts, Double-Density, Full Production

Please fill out the following information about this budget

Budget Name:

Hazelnuts, Double-Density, Full Production

State:

Oregon

County:

Willamette Valley

Budget Unit:

1 Acre

Length of Time for this Budget: 1 Year

Time Periods for this Budget: 1 Year

Notes:

This enterprise budget estimates the typical per-acre costs associated with establishing and producing Hazelnuts in the Willamette Valley of Oregon. It should be used as a guide to estimate actual costs and returns and is not representative of any particular farm. Source: <http://arec.oregonstate.edu/oaeb/files/pdf/AEB0043.pdf> AEB 0043, November 2013. (copy of Hazelnuts, Double-Density, Full Production)

Gross Return	Unit Sold by/as	Quantity Sold	Price per Unit Sold	Total Value	
Hazelnuts	Pound	2,800.00	\$1.00	\$2,800.00	<button>Edit</button>
Total Gross Returns					\$2,800.00
<button>Add New</button>					

## General Cash Costs

Name	Unit	Quantity	Price per Unit	Total Cost	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	<a href="#">Add Fixed Cash Cost</a>
Chemicals	Acre	1	\$40.48	\$40.48	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	
Depreciation and Section 179 Expenses	Acre	1	\$319.90	\$319.90	<a href="#">Edit</a>		<a href="#">Add Fixed Cash Cost</a>
Fertilizers and Lime	Acre	1	\$262.36	\$262.36	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	
Gasoline, Fuel, and Oil	Acre	1	\$96.34	\$96.34	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	
Insurance (other than health)	Acre	1	\$50.35	\$50.35	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	<a href="#">Add Fixed Cash Cost</a>
Interest on Loans and Mortgages	Acre	1	\$14.07	\$14.07	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	<a href="#">Add Fixed Cash Cost</a>
Labor Hired (less employment credits)	Acre	1	\$103.46	\$103.46	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	
Other Expenses	Acre	1	\$126.69	\$126.69	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	<a href="#">Add Fixed Cash Cost</a>
Property Taxes	Acre	1	\$5.00	\$5.00	<a href="#">Edit</a>		<a href="#">Add Fixed Cash Cost</a>
Repairs and Maintenance	Acre	1	\$78.82	\$78.82	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	
Utilities	Acre	1	\$6.92	\$6.92	<a href="#">Edit</a>	<a href="#">Add Variable Cost</a>	<a href="#">Add Fixed Cash Cost</a>
Total General Costs				\$1,104.39			
<a href="#">Add General Cost</a>							

## Totals

Total Gross Returns

Total Costs

Net Returns (income minus costs)

# *Detail Inputs and Costs from the General Format*

General Cash Costs					
Name	Unit	Quantity	Price per Unit	Total Cost	
Chemicals	Acre	1	\$40.48	\$40.48	<a href="#">Edit</a> <a href="#">Add Variable Cost</a>
Depreciation and Section 179 Expenses	Acre	1	\$319.90	\$319.90	<a href="#">Edit</a> <a href="#">Add Fixed Cash Cost</a>
Fertilizers and Lime	Acre	1	\$262.36	\$262.36	<a href="#">Edit</a> <a href="#">Add Variable Cost</a>
Gasoline, Fuel, and Oil	Acre	1	\$96.34	\$96.34	<a href="#">Edit</a> <a href="#">Add Variable Cost</a>
Insurance (other than health)	Acre	1	\$50.35	\$50.35	<a href="#">Edit</a> <a href="#">Add Variable Cost</a> <a href="#">Add Fixed Cash Cost</a>
Interest on Loans and Mortgages	Acre	1	\$14.07	\$14.07	<a href="#">Edit</a> <a href="#">Add Variable Cost</a> <a href="#">Add Fixed Cash Cost</a>
Labor Hired (less employment credits)	Acre	1	\$103.46	\$103.46	<a href="#">Edit</a> <a href="#">Add Variable Cost</a>
Other Expenses	Acre	1	\$126.69	\$126.69	<a href="#">Edit</a> <a href="#">Add Variable Cost</a> <a href="#">Add Fixed Cash Cost</a>
Property Taxes	Acre	1	\$5.00	\$5.00	<a href="#">Edit</a> <a href="#">Add Fixed Cash Cost</a>
Repairs and Maintenance	Acre	1	\$78.82	\$78.82	<a href="#">Edit</a> <a href="#">Add Variable Cost</a>
Utilities	Acre	1	\$6.92	\$6.92	<a href="#">Edit</a> <a href="#">Add Variable Cost</a> <a href="#">Add Fixed Cash Cost</a>
<b>Total General Costs</b>				<b>\$1,104.39</b>	
<a href="#">Add General Cost</a>					

10100

01101

11010

10110

# *Detail Inputs and Costs from the General Format*

General Cash Costs	
Name	
Chemicals	
Depreciation and Section 179 Expenses	
Fertilizers and Lime	
Gasoline, Fuel, and Oil	
Insurance (other than health)	
Interest on Loans and Mortgages	
Labor Hired (less employment credits)	
Other Expenses	
Property Taxes	
Repairs and Maintenance	A
Utilities	A
Total General Costs	

## Add Variable Cost item

Remaining amount for this sub-category: \$262.36

Category:

Pre-Harvest

Sub-category:

Fertilizer

Name:

- Select
  - Ammonium nitrate
  - Ammonium sulfate
  - Anhydrous ammonia
  - Aqua ammonia
  - Blend
  - Cal-nitro
  - Calcium nitrate
  - Compost
  - Compost teas
  - Diammonium phosphate
  - Elemental sulfur
  - Foliar Mn
  - Foliar N
  - Foliar Zn
  - Liquid manure
  - Manure
  - Monoammonium phosphate
  - Nitrogen
  - Other
  - Phosphorus
  - Potash
  - Potassium chloride
  - Potassium hydroxide
  - Potassium nitrate
  - Potassium sulfate
  - Sulfate of potash magnesia
  - Triple superphosphate
  - UAN32
  - UN32
  - Urea
  - Zinc sulfate foliar

?

Add

Add

Add

Add

Add

Add

Add

Cost

Cost

Add

# *Detail Inputs and Costs from the General Format*

General Cash Costs					
Name	Chemicals	Depreciation and Section 179 Expenses	Fertilizers and Lime	Gasoline, Fuel, and Oil	Insurance (other than health)
Interest on Loans and Mortgages	Labor Hired (less employment credits)	Other Expenses	Property Taxes	Repairs and Maintenance	Utilities
Total General Costs				\$1,104.39	

### Add Variable Cost item

Remaining amount for this sub-category: \$260.61

Category: Pre-Harvest

Sub-category: Fertilizer

Name: Potash

Unit: Pound

Quantity: 7

Price per Unit: \$ 0.25

Total Cost: \$ 1.75

Cancel Save

# *Detail Inputs and Costs from the General Format*

## Variable Costs

Parent Category	Category	Sub-Category	Name	Unit	Quantity	Price per Unit	Total Cost		
Fertilizers and Lime	Pre-Harvest	Fertilizer	Potash	Acre	1	\$0.25	\$1.75	<button>Edit</button>	<button>Remove</button>
Total Variable Costs								\$1.75	

## Totals

Total Gross Returns	\$2,800.00
Total Costs	\$1,104.39
Net Returns (income minus costs)	\$1,695.61

# Data Collection – Use an University Budget



IAMTESTIN

## Transfer your business data to AgBiz Logic

The first step toward utilizing AgBiz Logic decision tools is to populate AgBiz Logic with income and expense data generated from your business. Once this information is entered, you'll be able to allocate income and expenses to create enterprise budgets for personalized scenarios.

We provide three methods for collecting your business data. Select one from the list below, and proceed through the steps provided.

- Enter information from your Schedule F/Form 1040
- Import data from your accounting system or spreadsheet
- Select existing University Budget(s) (if you don't have your own data)

10100

# Data Collection – Import from Accounting System

Data is Always in Season.™

**AgBiz Logic™**

AgBizClimate AgBizProfit AgBizLease AgBizFinance AgBizEnvironment

Choose University Budget

**Search**

By Title:

By Enterprise:

By State:

By County/Region:

Choose Budget:

Douglas-Fir Christmas Tree, Year 1  
 Douglas-Fir Christmas Tree, Year 2  
 Douglas-Fir Christmas Tree, Year 3  
 Douglas-Fir Christmas Tree, Year 4  
 Douglas-Fir Christmas Tree, Year 5  
 Douglas-Fir Christmas Tree, Year 6  
 Douglas-Fir Christmas Tree, Year 7  
 Fine Fescue Seed Production, No Burn Practices  
 Fine Fescue Seed Production, Open Burn Practices  
 Fine Fescue Seed, Establishment Year  
 Fresh Strawberries, June bearing, Perennial Hill, Plasticulture System, Year 1  
 Fresh Strawberries, June bearing, Perennial Hill, Plasticulture System, Year 2  
 Fresh Strawberries, June bearing, Perennial matted row system, Full Production  
 Hard Fescue Seed Production  
 Hazelnuts, Double-Density, Establishment Year 1  
 Hazelnuts, Double-Density, Establishment Year 10  
 Hazelnuts, Double-Density, Establishment Year 11  
 Hazelnuts, Double-Density, Establishment Year 2  
 Hazelnuts, Double-Density, Establishment Year 3  
 Hazelnuts, Double-Density, Establishment Year 4  
**Hazelnuts, Double-Density, Establishment Year 5**  
 Hazelnuts, Double-Density, Establishment Year 6  
 Hazelnuts, Double-Density, Establishment Year 7  
 Hazelnuts, Double-Density, Establishment Year 8  
 Hazelnuts, Double-Density, Establishment Year 9  
 Hazelnuts, Double-Density, Full Production  
 Hazelnuts, Standard-Density, Establishment Year 1  
 Hazelnuts, Standard-Density, Establishment Year 10  
 Hazelnuts, Standard-Density, Establishment Year 11  
 Hazelnuts, Standard-Density, Establishment Year 2  
 Hazelnuts, Standard-Density, Establishment Year 3  
 Hazelnuts, Standard-Density, Establishment Year 4  
 Hazelnuts, Standard-Density, Establishment Year 5  
 Hazelnuts, Standard-Density, Establishment Year 6  
 Hazelnuts, Standard-Density, Establishment Year 7  
 Hazelnuts, Standard-Density, Establishment Year 8  
 Hazelnuts, Standard-Density, Establishment Year 9  
 Hazelnuts, Standard-Density, Full Production  
 Leaf Lettuce, Conventional, Fresh Market  
 Leaf Lettuce, Organic, Fresh Market  
 Marion Blackberries, Every Year Production, Year 0 Establishment  
 Marion Blackberries, Every Year Production, Year 1 Establishment  
 Marion Blackberries, Every Year Production, Year 2 Establishment  
 Marion Blackberries, Every Year Production, Year 3 Full Production  
 Marion Blackberries, Production in Alternate Years, Year 0 Establishment  
 Marion Blackberries, Production in Alternate Years, Year 1 Establishment  
 Marion Blackberries, Production in Alternate Years, Year 2 Establishment  
 Marion Blackberries, Production in Alternate Years, Year 3 Establishment  
 Marion Blackberries, Production in Alternate Years, Year 4 Full Production, Harvest Year  
 Marion Blackberries, Production in Alternate Years, Year 4 Full Production, Non-Harvest Year