**Appendix IV Section 1: Dry Land Cotton Representative Farm**

Please provide the information about a representative dry land cotton farm of your farming county. If a farm has **2500 acres of farm land**, **what acres would be in following characteristics** **in 2015**?

|  |  |
| --- | --- |
| **LAND ASSETS IN 2015** |  |
| Dry Land Cropland Acres Owned (Acres) |  |
| Dry Land Cropland Acres Share Leased (Acres) |  |
| Dry Land Cropland Acres Cash Rented (Acres) |  |
| Total Cotton Planted Acres (Acres) | 2500 |

For the same **2500 acres cotton farm**, **what would be a typical value of land and building in 2015?**

|  |  |
| --- | --- |
| **VALUE OF LAND AND BUILDINGS IN 2015** |  |
| Value of Dry Land Owned Cropland ($/Acre) |  |
| Dry Land Landlord Share of Production (%) |  |
| Dry Land Cash Rent Payment ($/ Acres) |  |
| Value of Farmstead ($) |  |

For the same **2500 acres cotton farm**, **what would be a typical real estate debt profile in 2015**?

|  |  |
| --- | --- |
| **REAL ESTATE LOANS IN 2015**  |  |
| Amount Owed ($) |  |
| Annual Interest Rate (%) |  |

For the same **2500 acres cotton farm**, **what would be a typical following characteristic in 2015**?

|  |
| --- |
| **VARIABLE OPERATING COSTS FOR DRY LAND COTTON IN 2015**  |
|  | **Quantity** | **Units**  | **$/Unit** |  | **$ Per Acre** |  | **Landlord Share on Leased Acreage (%)** |
| Seed |  | Thousand  |  |  |  |  |  |  |
| Fertilizer (Phosphorous) |  | Pound |  |  |  |  |  |  |
| Fertilizer (Nitrogen) |  | Pounds |  |  |  |  |  |  |
| Pre-plant Herbicide |  | Acre |  |  |  |  |  |  |
| Post-emerge Herbicide |  | Acre |  |  |  |  |  |  |
| Insecticide and Application |  | Acre |  |  |  |  |  |  |
| Boll Weevil Assessment |  | Acre |  |  |  |  |  |  |
| Harvest Aid Apply |  | Acre |  |  |  |  |  |  |
| Custom Fertilizer Application |  | Acre |  |  |  |  |  |  |
| Custom Strip and Module |  | Pound |  |  |  |  |  |  |
| Ginning |  | CWT |  |  |  |  |  |  |

For the same **2500 acres cotton farm**, **what would be a typical following characteristic**?

|  |
| --- |
| **MACHINERY INVESTMENT AND COST IN 2015** |
| Beginning Value of Tractors ($) |  |
| Tractor Depreciation ($/year) |  |
| Beginning Value of Other Self Propelled Machinery ($) |  |
| Self-Propelled Machinery Depreciation ($/year) |  |
| Beginning Value of Pickups and Trucks ($) |  |
| Pickup and Truck Depreciation ($/year) |  |
| Beginning Value of Other Equipment ($) |  |
| Other Equipment Depreciation ($/year) |  |
| Amount of Machinery Loans ($) |  |
| Interest Rate on Machinery Loans (%) |  |
| Machinery Repairs and Maintenance ($/year) |  |
| Insurance on Vehicles and Machinery ($/year) |  |
| All Fuel and Lube ($/year) |  |

For the same **2500 acres cotton farm**, **what would be in following characteristics**?

|  |
| --- |
| **OTHER COSTS IN 2015**  |
| Real Estate Taxes ($/year) |  |
| Accounting and Legal Cost ($/year) |  |
| Farm Liability Insurance ($/year) |  |
| Communication Service and Utilities ($/year) |  |
| Salaried Labor ($/year) |  |
| Part-time Labor ($/year) |  |
| Other Farm Expenses ($/year) |  |

**Appendix IV Section 2: Dry Land Cotton Representative Farm**

YIELD FOR LOW-PRODUCTIVITY DRY LAND COTTON UNIT

**ANSWER THE FOLLOWING FOR A LOW PRODUCTIVITY DRYLAND COTTON UNIT IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely for this unit** **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the dry land cotton yield to be on this unit” and you could give only one number.)** |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low yield** for this unit **in 2015**?**(You expect the dry land cotton yield to go below this yield in 1 out of 10 years or** only about a **10%** chance of the yield being **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** **yield** this unit **in** **2015**? **(You expect the dry land cotton yield to go above this yield in 1 out of 10 years or** only about a **10%** chance of the yield being **above on this level)**  |   |
| Lb./Acre |

YIELD FOR HIGH-PRODUCTIVITY DRY LAND COTTON UNIT

**ANSWER THE FOLLOWING FOR A HIGH PRODUCTIVITY DRYLAND COTTON UNIT IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely for this unit** **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the dry land cotton yield to be on this unit” and you could give only one number.)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low yield** for this unit **in 2015**?**(You expect the dry land cotton yield to go below this yield in 1 out of 10 years or** only about a **10%** chance of the yield being **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** **yield** for this unit **in** **2015**? **(You expect the dry land cotton yield to go above this yield in 1 out of 10 years or** only about a **10%** chance of the yield being **above on this level)**  |   |
|  Lb./Acre |

COUNTY YIELD FOR DRY LAND COTTON

**ANSWER THE FOLLOWING QUESTIONS ABOUT THE DRY LAND COUNTY YIELD IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely** dry land **yield** for cottonin this county **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the dry land cotton yield to be for this county” and you could give only one number.)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low** dry land **yield** for this **county** **in 2015**?**(You expect the dry land county cotton yield to go below this yield in 1 out of 10 years or** only about a **10%** chance of the yield being **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** dry land **yield** for this **county in 2015**? **(You expect the dry land county cotton yield to go above this yield in 1 out of 10 years or** only about a **10%** chance of the yield being **above on this level)**  |   |
|  Lb./Acre |

**RELATIONSHIP BETWEEN THE COUNTY-LEVEL DRY LAND COTTON YIELD AND THE FARM-LEVEL DRY LAND COTTON YIELD**

How would you characterize the **relationship** the **county-level dry land cotton yield** and the **farm-level dry land cotton yield? (Check one)**

**WHEN THE COUNTY DRY LAND COTTON YIELD IS HIGH THE FARM-LEVEL DRY LAND COTTON YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |

**Appendix V Section 1: Dry Land and Irrigated Cotton Representative Farm**

Please provide the information about a representative dry land and irrigated cotton farm of your farming county. If a farm has **2500 acres of farm land**, **what acres would be in following characteristics** **in 2015**?

|  |  |
| --- | --- |
| **LAND ASSETS IN 2015** |  |
| Pivot Irrigated Cropland Acres Owned (Acres) |  |
| Dry Land Cropland Acres Owned (Acres) |  |
| Pivot Irrigated Cropland Acres Share Leased (Acres) |  |
| Dry Land Cropland Acres Share Leased (Acres) |  |
| Pivot Irrigated Cropland Acres Cash Rented (Acres) |  |
| Dry Land Cropland Acres Cash Rented (Acres) |  |
| Total Cotton Planted Acres (Acres) | 2500 |

For the same **2500 acres cotton farm**, **what would be a typical value of land and building in 2015?**

|  |  |
| --- | --- |
| **VALUE OF LAND AND BUILDINGS IN 2015** |  |
| Value of Pivot Irrigated Owned Cropland ($/Acre) |  |
| Value of Dry Land Owned Cropland ($/Acre) |  |
| Pivot Irrigated Landlord Share of Production (%) |  |
| Dry Land Landlord Share of Production (%) |  |
| Pivot Irrigated Cash Rent Payment ($/ Acres) |  |
| Dry Land Cash Rent Payment ($/ Acres) |  |
| Value of Farmstead ($) |  |

For the same **2500 acres cotton farm**, **what would be a typical real estate debt profile in 2015**?

|  |  |
| --- | --- |
| **REAL ESTATE LOANS IN 2015** |  |
| Amount Owed ($) |  |
| Annual Interest Rate (%) |  |

For the same **2500 acres cotton farm**, **what would be a typical following characteristic in 2015**?

|  |
| --- |
| **VARIABLE OPERATING COSTS FOR DRY LAND COTTON IN 2015** |
|  | **Quantity** | **Units**  | **$/Unit** |  | **$ Per Acre** |  | **Landlord Share on Leased Acreage (%)** |
| Seed |  | Thousand  |  |  |  |  |  |  |
| Fertilizer (Phosphorous) |  | Pound |  |  |  |  |  |  |
| Fertilizer (Nitrogen) |  | Pounds |  |  |  |  |  |  |
| Pre-plant Herbicide |  | Acre |  |  |  |  |  |  |
| Post-emerge Herbicide |  | Acre |  |  |  |  |  |  |
| Insecticide and Application |  | Acre |  |  |  |  |  |  |
| Boll Weevil Assessment |  | Acre |  |  |  |  |  |  |
| Harvest Aid Apply |  | Acre |  |  |  |  |  |  |
| Custom Fertilizer Application |  | Acre |  |  |  |  |  |  |
| Custom Strip and Module |  | Pound |  |  |  |  |  |  |
| Ginning |  | CWT |  |  |  |  |  |  |

For the same **2500 acres cotton farm**, **what would be a typical following characteristic** **in 2015**?

|  |
| --- |
| **VARIABLE OPERATING COSTS FOR PIVOT IRRIGATED COTTON IN 2015** |
|  | **Quantity** | **Units**  | **$/Unit** |  | **$ Per Acre** |  | **Landlord Share on Leased Acreage (%)** |
| Seed |  | Thousand  |  |  |  |  |  |  |
| Fertilizer (Phosphorous) |  | Pound |  |  |  |  |  |  |
| Fertilizer (Nitrogen) |  | Pounds |  |  |  |  |  |  |
| Pre-plant Herbicide |  | Acre |  |  |  |  |  |  |
| Post-emerge Herbicide |  | Acre |  |  |  |  |  |  |
| Insecticide and Application |  | Acre |  |  |  |  |  |  |
| Boll Weevil Assessment |  | Acre |  |  |  |  |  |  |
| Harvest Aid Apply |  | Acre |  |  |  |  |  |  |
| Custom Fertilizer Application |  | Acre |  |  |  |  |  |  |
| Custom Strip and Module |  | Pound |  |  |  |  |  |  |
| Ginning |  | CWT |  |  |  |  |  |  |

For the same **2500 acres cotton farm**, **what would be a typical following characteristic in 2015**?

|  |
| --- |
| **MACHINERY INVESTMENT AND COST IN 2015** |
| Beginning Value of Tractors ($) |  |
| Tractor Depreciation ($/year) |  |
| Beginning Value of Other Self Propelled Machinery ($) |  |
| Self-Propelled Machinery Depreciation ($/year) |  |
| Beginning Value of Pickups and Trucks ($) |  |
| Pickup and Truck Depreciation ($/year) |  |
| Beginning Value of Other Equipment ($) |  |
| Other Equipment Depreciation ($/year) |  |
| Amount of Machinery Loans ($) |  |
| Interest Rate on Machinery Loans (%) |  |
| Machinery Repairs and Maintenance ($/year) |  |
| Insurance on Vehicles and Machinery ($/year) |  |
| Non-irrigated Fuel and Lube ($/year) |  |

For the same **2500 acres cotton farm**, **what would be in following characteristics in 2015**?

|  |
| --- |
|  **IRRIGATION SYSTEM INVESTMENT AND COST IN 2015** |
| Value of Irrigation Investment at Beginning of Year ($) |  |
| Irrigation Investment Depreciation ($) |  |
| Irrigation System Repair and Maintenance ($) |  |
| Irrigation Fuel ($/Acre) |  |

For the same **2500 acres cotton farm**, **what would be in following characteristics in2015**?

|  |
| --- |
| **OTHER COSTS IN 2015**  |
| Real Estate Taxes ($/year) |  |
| Accounting and Legal Cost ($/year) |  |
| Farm Liability Insurance ($/year) |  |
| Communication Service and Utilities ($/year) |  |
| Salaried Labor ($/year) |  |
| Part-time Labor ($/year) |  |
| Other Farm Expenses ($/year) |  |

**Appendix V Section 2: Dry Land and Irrigated Cotton Representative Farm**

YIELD FOR LOW-PRODUCTIVITY DRY LAND COTTON UNIT

**ANSWER THE FOLLOWING FOR A LOW PRODUCTIVITY DRYLAND COTTON UNIT IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely for this unit** **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the dry land cotton yield to be on this unit” and you could give only one number.)** |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low yield** for this unit **in 2015**?**(You expect the dry land cotton yield to go below this yield in 1 out of 10 years or** only about a **10%** chance of a yield **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** **yield** for this unit **in** **2015**? **(You expect the dry land cotton yield to go above this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **above on this level)**  |   |
| Lb./Acre |

YIELD FOR HIGH-PRODUCTIVITY DRY LAND COTTON UNIT

**ANSWER THE FOLLOWING FOR A HIGH PRODUCTIVITY DRYLAND COTTON UNIT IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely for this unit** **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the dry land cotton yield to be on this unit” and you could give only one number.)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low yield** for this unit **in 2015**?**(You expect the dry land cotton yield to go below this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** **yield** for this unit **in** **2015**? **(You expect the dry land cotton yield to go above this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **above on this level)**  |   |
|  Lb./Acre |

COUNTY YIELD FOR DRY LAND COTTON

**ANSWER THE FOLLOWING QUESTIONS ABOUT THE DRY LAND COUNTY YIELD IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely** dry land **yield** for cottonfor this county **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the dry land cotton yield to be for this county” and you could give only one number.)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low** dry land **yield** for this **county** **in 2015**?**(You expect the dry land county cotton yield to go below this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** dry land **yield** for this **county in 2015**? **(You expect the dry land county cotton yield to go above this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **above on this level)**  |   |
|  Lb./Acre |

YIELD FOR LOW-PRODUCTIVITY PIVOT IRRIGATED COTTON UNIT

**ANSWER THE FOLLOWING FOR A LOW PRODUCTIVITY PIVOT IRRIGATED COTTON UNIT IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely for this unit** **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the pivot irrigated cotton yield to be on this unit” and you could give only one number.)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low yield** for this unit **in 2015**?**(You the pivot irrigated cotton yield expect to go below this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** **yield** for this unit **in** **2015**? **(You expect the pivot irrigated cotton yield to go above this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **above on this level)**  |   |
| Lb./Acre |

YIELD FOR HIGH-PRODUCTIVITY PIVOT IRRIGATED COTTON UNIT

**ANSWER THE FOLLOWING FOR A HIGH PRODUCTIVITY PIVOT IRRIGATED COTTON UNIT IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely for this unit** **in** **2015**? **(This is the yield you would give if someone asked you “what do you expect the pivot irrigated cotton yield to be on this unit” and you could give only one number.)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low yield** for this unit **in 2015**?**(You expect the pivot irrigated cotton yield to go below this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** **yield** for this unit **in** **2015**? **(You expect the pivot irrigated cotton yield to go above this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **above on this level)**  |   |
| Lb./Acre |

COUNTY YIELD FOR IRRIGATED COTTON

**ANSWER THE FOLLOWING QUESTIONS ABOUT THE IRRIGATED COUNTY YIELD IN 2015.**

|  |  |
| --- | --- |
| What yield do you consider **most likely** for irrigated cotton for this **county in** **2015**? **[This is the yield you would give if someone asked you “what do you expect the irrigated cotton yield to be for this county” and you could give only one number.]**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **low** irrigated **yield** for this **county** **in 2015**?**(You expect the irrigated cotton yield to go below this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **below this level)**  |  |
| Lb./Acre |
|  |  |
| What yield do you consider a **high** irrigated **yield** for this **county in** **2015**? **(You expect the irrigated cotton yield to go above this yield in 1 out of 10 years or** there is only about a **10%** chance of a yield **above on this level)**  |   |
|  Lb./Acre |

**RELATIONSHIP BETWEEN PIVOT IRRIGATED COTTON AND DRY LAND COTTON YIELD AT THE FARM-LEVEL**

How would you characterize the **relationship between** **pivot irrigated cotton** and **dry land cotton yield** at **the farm-level**? **(Check one)**

**WHEN THE FARM-LEVEL PIVOT IRRIGATED COTTON YIELD IS HIGH THE FARM-LEVEL DRY LAND YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |

**RELATIONSHIP BETWEEN THE FARM-LEVEL PIVOT IRRIGATED COTTON YIELD AND THE COUNTY-LEVEL IRRIGATED COTTON YIELD**

How would you characterize the relationship between the **farm-level** **pivot irrigated** **yield** and the **county-level yield** for **irrigated cotton**? **(Check one)**

**WHEN THE COUNTY IRRIGATED COTTON YIELD IS HIGH THE FARM-LEVEL PIVOT IRRIGATED COTTON YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |

**RELATIONSHIP BETWEEN THE COUNTY-LEVEL DRY LAND COTTON YIELD AND THE FARM-LEVEL DRY LAND COTTON YIELD**

How would you characterize the **relationship** the **county-level dry land cotton yield** and the **farm-level dry land cotton yield? (Check one)**

**WHEN THE COUNTY DRY LAND COTTON YIELD IS HIGH THE FARM-LEVEL DRY LAND COTTON YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |

**RELATIONSHIP BETWEEN THE COUNTY-LEVEL DRY LAND COTTON YIELD AND THE FARM-LEVEL PIVOT IRRIGATED COTTON YIELD**

How would you characterize the **relationship between** the **county-level dry land cotton yield** and the **farm-level** **irrigated cotton yield? (Check one)**

**WHEN THE COUNTY DRY LAND COTTON YIELD IS HIGH THE FARM-LEVEL PIVOT IRRIGATED COTTON YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |

**RELATIONSHIP BETWEEN THE COUNTY-LEVEL IRRIGATED COTTON YIELD AND THE FARM-LEVEL DRY LAND COTTON YIELD**

How would you characterize the **relationship between** the **county-level irrigated cotton yield** and the **farm-level dry land cotton yield? (Check one)**

**WHEN THE COUNTY PIVOT IRRIGATED COTTON YIELD IS HIGH THE FARM-LEVEL DRY LAND COTTON YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |

**RELATIONSHIP BETWEEN THE COUNTY-LEVEL IRRIGATED COTTON YIELD AND THE COUNTY-LEVEL DRY LAND COTTON YIELD**

How would you characterize the **relationship between** the **county-level** **irrigated cotton yield and** the **county-level** **dry land cotton yield? (Check one)**

**WHEN THE COUNTY IRRIGATED COTTON YIELD IS HIGH THE COUNTY DRY LAND COTTON YIELD IS:**

|  |
| --- |
| **□ Almost always high.** |
| **□ Often high.** |
| **□ No more likely to be high than low.** |
| **□ Often low.** |
| **□ Almost always low.** |