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**1995 CROP INPUTS COST SUMMARY
FOR IDAHO**

by

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1995 Crop Inputs Cost Summary for Idaho

Background

The objective of this publication is to provide producers, lenders, agribusinesses and University of Idaho researchers and Extension personnel with information needed to develop or modify traditional or alternative cost of production estimates.

The University of Idaho develops and publishes cost and return (CAR) estimates, also referred to as enterprise budgets, for many of the major crops grown in the state. These CAR estimates are revised every other year in odd numbered years. The latest revision will be completed in the fall of 1995. Livestock CAR estimates are revised and published in the even-numbered years. A list of the current CAR estimates and information on how to order them is found on pages 14 and 15.

Because of the extreme variation in growing conditions throughout Idaho and the difference in crops produced and in crop production practices, crop costs and returns estimates are developed on a regional basis rather than on a state-wide basis. The four regional areas include: 1) Southwestern Idaho (SWI) with primary emphasis on Canyon and Elmore counties, 2) Southcentral Idaho (SCI) with primary emphasis on Jerome, Twin Falls, Cassia and Minidoka counties, 3) Southeastern Idaho (SEI) with primary emphasis on Power, Bingham, Bonneville, Madison, Fremont and Jefferson counties, and Northern Idaho (NI) with primary emphasis on Benewah, Bonner, Boundary, Clearwater, Kootenai and Latah counties.

Procedure

The information provided in this publication is the average cost reported for a given region. The data was obtained by confidential telephone and mail surveys conducted during June and July 1995. Sample selection was not on a random basis, nor was the sample stratified according to characteristics of the firms. The objective was to obtain information across each of the geographic regions, as well as from a variety of firms within a region. Firms with several outlets in a given geographic area were only sampled once.

The survey included five primary types of businesses or suppliers. These were 1) irrigation districts or canal companies, 2) aerial applicators, 3) agricultural lenders, 4) farm chemical and fertilizer dealers and 5) seed dealers. The number of companies who provided information by area is shown in Table 1. The price for seed potatoes was obtained from a survey of Idaho seed potato growers conducted by mail in June.

The cost of some crop inputs vary between areas of the state, primarily due to transportation, while other input costs vary more within a region than between regions. Inputs that vary little by region are found in Table 5. All other inputs are priced by area.

Custom Applications

A custom rate charge to apply chemicals and fertilizer is found in many of the crop CAR estimates. Table 2 contains aerial application rates which vary by the quantity of material applied. Charges for application of liquid material tend to fall into the four size categories shown in Table 2: 3-gallon, 5-gallon, 7-gallon, and 10-gallon rates. Application of dry material is charged on a per pound basis. The minimum per acre charge on dry material is generally based on 100 pounds of material. Most custom aerial applicators have a sliding scale, charging less when a large acreage is involved. They also charge less when fields are large and easily accessible, compared to small or irregular shaped fields. The values in Table 2 reflect these differences.

Table 3 lists the cost of applying chemicals and fertilizer by various ground application methods. This data was obtained primarily from fertilizer and chemical retailers who also apply the product.

Water Assessments

An average water assessment charge per acre for each region is shown in Table 4. Assessments on a per share of water basis were converted to a per acre charge. All of the canal companies and irrigation districts included in Table 4 deliver water in an open ditch to the farmer.

The water assessments among the group surveyed in Southwestern Idaho ranged from a low of \$19.00 per acre to a high of \$31.00. The range in water assessments among the four water organizations in Southcentral Idaho ranged from \$19.50 to \$35.00 per acre. Water charges in Southeastern Idaho are considerably lower than the other two areas of southern Idaho, averaging less than half the cost of the Magic Valley and Treasure valleys. The water assessment among the four water organizations surveyed ranged from \$8.55 to \$14.75 per acre.

Interest Rates

Most agricultural lenders apply a risk rating to each customer. The more secure the loan, the lower the interest rate paid by the customer. Loan volume is also considered. A customer borrowing more money generally receives a more favorable interest rate. Rates also vary depending on whether the interest rate is variable or fixed over the loan period.

Operating loan interest rates among lenders surveyed ranged between 9.5 percent and 12.0 percent. A typical rate of 10.25 percent, shown in Table 5, was used in the 1995 crop CAR estimates to calculate operating interest. This rate is for a fixed interest rate loan and assumes a low credit risk borrower with a moderate to high loan volume. Variable rate loans are on a prime plus basis. The interest component added to the prime rate ranged from .5 to 3.0 percent.

Interest rates on intermediate loans, money borrowed from one to five years, varied from 9.5 to 13.5 percent. The value of 11.0 percent, shown in Table 5, was used in the 1995 crop CAR estimates to calculate interest on machinery and equipment. This rate assumes a fixed rate loan and a low credit risk borrower. The interest component on a variable interest rate loan ranged between .5 to 3.5 percent.

Other Input Costs

Tables 4 and 5 also include the costs for a variety of different inputs that do not fit one of the input specific categories found in Tables 6 through 11. A number of these items are specific to a particular commodity, such as cutting and treating potato seed. Others, such as fumigation, can apply to a variety of different crops.

The labor rates shown in Table 5 were based on survey information from a limited number of growers in southern Idaho. The rates shown include a base wage rate, plus the employers payroll tax contribution and other benefits. The value of benefits varies by the class of labor.

The component fertilizer prices shown in Table 4 should help revise cost estimates where fertilizer is specified in pounds (units) of element applied, not by total pounds of material. Table 9 contains the price per ton of various source materials as well as the price per pound for micro nutrients. The component price will vary depending on the source material. The pre-plant nitrogen price in Table 4 is based on ammonium nitrate (34-0-0), post-plant nitrogen price is based on Solution 32 (32-0-0), dry phosphate price is based on 11-52-0 with the nitrogen valued at the price of nitrogen in ammonium nitrate, liquid phosphate price is based on 10-34-0 with the nitrogen valued at the price of ammonium nitrate, potash price is based on Muriate of potash (0-0-60), and sulfur is based on ammonium sulfate with the nitrogen valued at the price of ammonium nitrate.

Herbicide Costs

Table 6 shows the price per pound for dry material or the price per quart for liquid herbicides. The price of liquids was generally based on a 2-1/2 gallon container price. Prices were rounded to the nearest \$.05. While the list of herbicides is not all encompassing, it covers a wide range of products currently being used to control the more common weed problems on row crops, small grains and other crops for which the University of Idaho has developed budgets. Prices for alternative formulations was obtained when these were commonly applied in the area.

Fungicides Prices

Prices per pound or per quart for commonly used fungicides are found in Table 7. Price for the liquid materials was based on a price for 2-1/2 gallon containers. Prices were rounded to the nearest \$.05.

Insecticides and Nematicides Prices

Insecticide and nematicide prices for 1995 are shown in Table 8. Prices for dry material are per pound of material and for liquids the price is based on a 2-1/2 gallon container price. Prices were rounded to the nearest \$.05.

Fertilizer Prices

Table 9 contains the 1995 price information on fertilizers. The prices for the macro nutrients are per ton for the total material. The formulation of the various materials is also shown. Prices for micro nutrients (trace elements) are given per pound of element. Some caution is advised on the prices for the trace elements. The price variation was extreme and there may have been subtle but important differences in the source material that we were not aware of.

Seed Prices

Table 10 contains 1995 seed prices by region. Prices are per pound or per hundred weight, except for onions and sugarbeets which are given on a per acre basis. Seed prices were obtained only for those crops for which the University of Idaho presently publishes a CAR estimate. *One thing to keep in mind is that there is a great deal of variability in seed prices, particularly among different varieties.* The seed prices in Table 10 should be considered representative, but they are by no means comprehensive.

Crop Insurance

Crop insurance rates vary considerably even within a fairly narrow geographic area. The variability is even greater when an entire region of the state is considered. The per acre crop insurance costs for the various crops, shown in Table 11, are calculated using "typical" insurance rates and crop values for 1995. Those typical rates and values were obtained from crop insurance companies in each region.

The insurance is based on hail-fire, not multiple peril. The values in Table 11 should not be used uncritically, however. Insurance rates reflect risk. Areas with high loss potential would need to use higher costs, while lower risk areas would use lower costs.

Costs and Returns Estimates

A list of Idaho crop and livestock CAR estimates currently available are found on page 14. These are listed by region, in the case of crops, and by type of livestock. CAR estimates can be ordered individually, by region or for the entire state, as shown on page 15. CAR estimates can also be obtained at county Extension offices as well.

Further Information

For additional information about publications and other resource materials available from the College of Agriculture, contact Ag Publications, University of Idaho, Moscow, ID 83844-2240 (885-7982).

If you have any questions or comments regarding the information contained in this publication, contact Paul Patterson at the Idaho Falls R & E Center, 1776 Science Center Drive, Idaho Falls, ID 83402 (529-8376).

Table 1. Major Crop Input Survey Respondents by Area, 1995.

| | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> | <u>TOTAL</u> |
|---|------------|-------------|-------------|-------------|--------------|
| Aerial Applicators | 2 | 4 | 6 | 5 | 17 |
| Irrigation Districts or Canal Companies | 0 | 4 | 4 | 4 | 12 |
| Agricultural Lenders** | - | - | - | - | 7 |
| Chemical & Fertilizer Dealers | 7 | 3 | 4 | 4 | 18 |

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

** One regional bank was contacted in each area, except Northern Idaho. The other 4 lenders operate statewide.

Table 2. Aerial Application Custom Rates, 1995.

| <u>Price per acre</u> | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|-----------------------|------------|-------------|-------------|-------------|
| 3-gallon: Standard | \$4.80 | \$5.40 | \$5.75 | \$4.35 |
| Large | | \$5.15 | \$4.75 | \$4.05 |
| 5-gallon: Standard | \$5.15 | \$6.60 | \$6.00 | \$5.05 |
| Large | | \$6.20 | \$5.50 | \$4.65 |
| 7-gallon: Standard | \$5.60 | \$6.90 | \$8.95 | \$5.30 |
| Large | | \$6.50 | \$7.50 | \$4.80 |
| 10-gallon: Standard | \$7.00 | \$8.15 | \$8.00 | \$6.30 |
| Large | | \$7.75 | \$7.75 | \$5.80 |
| Dry Material: | | | | |
| Minimum per acre | \$4.75 | \$5.90 | \$7.35 | \$4.95 |
| Price per lb | \$0.05 | \$0.04 | \$0.04 | \$0.06 |

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).
Rates for liquid rounded to nearest \$.05.

Table 3. Fertilizer & Chemical Custom Application Rates Per Acre By Region, 1995.

| | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|--------------------------------------|------------|-------------|-------------|-------------|
| <u>Dry Fertilizer Application</u> | | | | |
| Broadcast | \$4.75 | \$6.00 | | \$4.50 |
| Spinner- Truck | \$4.45 | \$5.50 | \$3.00 | \$4.35 |
| Spinner - Cart | \$1.50 | \$2.50 | 1.25 | \$1.15 |
| Air Flow | \$2.75 | \$6.00 | \$5.50 | \$5.05 |
| <u>Liquid Fertilizer Application</u> | | | | |
| Anhydrous per lb | | \$11.75 | | |
| Broadcast | | | | \$5.00 |
| Markout | | \$11.65 | \$15.00 | \$12.50 |
| Sidedress | | \$8.15 | | |
| Shank-in | | \$11.40 | \$8.00 | |
| <u>Chemical Application</u> | | | | |
| Ground Spray: Grain | \$4.35 | \$5.50 | \$5.35 | \$4.25 |
| Ground Spray: Potatoes | | | \$5.70 | \$4.50 |
| Ground Spray & Incorporate | | \$9.50 | \$10.00 | |
| Fumigate: Deep Injection | | \$16.50 | \$29.00 | \$29.00 |
| Fumigate: Bedding Row | | \$16.00 | \$14.25 | \$29.00 |
| <u>Other</u> | | | | |
| Sulfuric Acid & Application | | | | |
| Seed Mix Fee | | \$10.00 | | |

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

Table 4. Other Input Costs Varying By Region, 1995.

| | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|---|------------|-------------|-------------|-------------|
| Water Assessment/acre | | \$24.65 | \$24.05 | \$10.25 |
| Fumigation/acre: Deep Injection | | | \$25.00 | \$30.00 |
| Pre-plant Nitrogen per lb** (34-0-0-0) | \$.34 | \$.32 | \$.32 | \$.30 |
| Post-plant Nitrogen per lb** (32-0-0-0) | \$.42 | \$.36 | \$.32 | \$.34 |
| Phosphate per lb** (Dry: 11-52-0) | \$.25 | \$.22 | \$.19 | \$.20 |
| Phosphate per lb** (Liquid: 10-34-0) | \$.37 | \$.33 | \$.31 | \$.28 |
| Potassium per lb** (0-0-60) | \$.14 | \$.14 | \$.13 | \$.14 |
| Sulfur per lb** (20-0-0-24) | | \$.11 | \$.16 | \$.14 |

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

** Fertilizer prices are for pounds of element applied and are based on values found in Table 9.

Price per pound will vary depending on source material. Nitrogen in 11-52-0, 10-34-0 and 20-0-0-24 was valued at cost of ammonium nitrate or urea.

Table 5. Other Input Costs With Little Regional Variation, 1995.

| | |
|-----------------------------------|---------|
| Operating Interest | 10.25 |
| Intermediate Term Interest | 11.00 |
| Machinery Labor* | \$10.70 |
| Irrigation Labor* | \$ 7.05 |
| Other Labor* | \$ 6.55 |
| Gasoline - bulk delivery** | \$ 1.18 |
| Diesel-bulk delivery** | \$.79 |
| Cut & Treat Seed Potatoes per cwt | \$ 1.45 |

* Labor includes a base wage plus 20 percent for taxes and benefits on other labor, 25 percent on irrigation labor and 35 percent on machinery labor.

** Gasoline price includes road use tax, diesel price does not.

Table 6. Herbicide Prices By Region, 1995.

| <u>Product</u> | <u>Unit</u> | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|--------------------|-------------|------------|-------------|-------------|-------------|
| 2,4-DB | qt | \$10.55 | \$ 9.60 | | |
| 2,4-D Amine (4 lb) | qt | \$ 3.65 | \$ 3.10 | \$ 3.10 | \$ 3.35 |
| 2,4-D Ester (LV4) | qt | \$ 4.30 | \$ 3.90 | \$ 3.90 | \$ 4.05 |
| 2,4-D Ester (LV6) | qt | | \$ 5.10 | \$ 4.90 | \$ 5.30 |
| Accent | oz | | \$29.80 | \$28.10 | \$30.10 |
| Ally | oz | \$23.65 | \$25.80 | \$21.00 | \$24.85 |
| Assert | qt | \$35.20 | \$32.05 | \$30.25 | \$32.95 |
| Atrazine 4L | qt | \$ 3.95 | \$ 3.90 | \$ 3.65 | \$ 4.35 |
| Atrazine 90 DF | lb | \$ 3.80 | \$ 3.60 | \$ 3.00 | |
| Atrazine 90L | qt | | | | \$ 1.20 |
| Avenge | qt | \$13.00 | \$12.15 | \$11.40 | \$12.50 |
| Balan | lb | \$ 9.20 | \$ 9.15 | | |
| Banvel 4E | qt | \$24.15 | \$21.65 | \$21.40 | \$23.90 |
| Banvel SGF | qt | \$11.65 | \$14.80 | | \$11.15 |
| Basagran | qt | \$20.85 | \$20.75 | \$17.65 | \$19.40 |
| Betamix | qt | | \$23.30 | \$22.00 | \$24.70 |
| Bicep | qt | | \$ 9.05 | | \$ 9.55 |
| BladeX 4L | qt | | \$ 7.50 | \$ 7.20 | \$ 8.00 |
| Bronate (2lb) | qt | | | \$14.00 | |
| Buctril (2lb) | qt | \$15.80 | \$14.85 | \$14.30 | \$15.65 |
| Curtail | qt | \$10.55 | \$ 9.35 | \$ 9.05 | \$ 9.90 |
| Curtail M | qt | \$13.10 | \$ 9.65 | | |
| Dacthal | lb | \$ 8.30 | \$ 7.10 | \$ 6.40 | \$ 7.05 |
| Direx (4lb) | qt | \$ 5.40 | | | |
| Diquat | qt | \$22.30 | \$20.35 | \$19.70 | \$21.45 |
| Dual 8E | qt | \$19.55 | \$17.65 | \$17.35 | \$18.75 |

Table 6. Herbicide Prices By Region, 1995, (cont.)

| <u>Product</u> | <u>Unit</u> | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|----------------------|-------------|------------|-------------|-------------|-------------|
| Eptam 7E | qt | \$ 8.80 | \$ 7.80 | \$ 7.40 | \$ 8.20 |
| Eptam 10G | lb | | | \$.45 | |
| Eradicane 6.7E | qt | \$ 6.95 | \$ 6.65 | \$ 6.30 | \$ 7.00 |
| Express | oz | \$18.80 | \$19.30 | \$16.70 | \$19.25 |
| Far-Go 10G | lb | \$ 1.00 | | \$.90 | \$ 1.00 |
| Far-Go L | qt | \$10.70 | | \$10.30 | \$10.70 |
| Glean | oz | \$17.85 | | \$14.50 | \$19.15 |
| Goal | qt | \$26.10 | \$19.75 | \$20.75 | \$20.25 |
| Harmony Extra | oz | \$14.70 | \$13.35 | \$13.20 | \$14.10 |
| Hoelon | qt | \$17.30 | \$16.15 | \$15.75 | \$17.20 |
| Landmaster BW | qt | \$ 5.95 | \$ 5.60 | \$ 5.40 | \$ 5.85 |
| Lasso | qt | \$ 7.60 | \$ 7.25 | \$ 7.05 | \$ 7.65 |
| MCPA 2lb | qt | \$ 2.75 | \$ 3.70 | | \$ 2.90 |
| MCPA-Amine | qt | \$ 4.45 | \$ 4.05 | \$ 3.45 | \$.00 |
| MCPA-Ester | qt | \$ 4.40 | \$ 4.35 | \$ 4.25 | \$ 4.50 |
| MH-30 | lb | | \$15.50 | \$20.00 | |
| Nortron 4SC | qt | | \$47.10 | \$43.95 | \$49.50 |
| Nortron 1.5EC | qt | | \$15.15 | | |
| Poast | qt | \$29.70 | \$27.05 | \$26.20 | \$29.15 |
| Poast Plus | qt | \$12.95 | \$12.35 | \$12.15 | \$18.90 |
| Princep | lb | \$ 4.00 | \$ 3.75 | \$ 3.60 | |
| Princep CAL.90 | lb | | | | \$ 4.10 |
| Prowl | qt | | \$ 7.30 | \$ 7.05 | \$ 8.10 |
| Pursuit | qt | \$168.90 | \$177.25 | \$151.25 | \$172.50 |
| Pyramin DF | lb | | \$15.10 | \$14.00 | |
| Ro-Neet | qt | | \$13.90 | \$13.35 | \$15.00 |
| Roundup | qt | \$13.50 | \$12.90 | \$12.25 | \$12.70 |
| Sencor DF (Lexone) | lb | \$28.60 | \$28.45 | \$25.10 | \$29.15 |
| Sencor L (Lexone) 4F | qt | \$36.45 | \$37.25 | \$34.40 | \$35.60 |
| Sinbar 80W | lb | \$28.80 | \$26.25 | | \$28.25 |
| Sonalan | qt | \$10.00 | \$ 8.70 | \$ 8.30 | \$ 8.80 |
| Stinger | qt | \$139.00 | \$122.80 | \$118.90 | \$133.90 |
| Treflan 4 Ec | qt | \$ 9.60 | | \$ 7.25 | \$ 8.95 |
| Treflan MTF | qt | \$ 9.90 | \$ 8.90 | \$ 8.75 | \$ 9.55 |
| Tri-4 (Trifluralin) | qt | | | | \$ 9.80 |
| Velpar L | qt | \$17.75 | \$13.85 | \$15.15 | \$16.35 |
| Weedmaster | qt | \$ 9.10 | \$ 8.05 | | \$ 7.45 |
| Weedone 638 | qt | \$ 6.90 | \$ 5.55 | \$ 5.45 | \$ 6.10 |

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

Table 7. Fungicide Prices By Region, 1995.

| Product | Unit | NI* | SWI* | SCI* | SEI* |
|--------------------|-------------|------------|-------------|-------------|-------------|
| Bayleton | lb | \$59.00 | | | |
| Benlate 50W | lb | \$18.75 | | | |
| Bravo 500 | qt | | | | \$12.75 |
| Bravo 720 | qt | \$14.40 | \$14.35 | \$13.45 | \$15.15 |
| Captan 5% | qt | \$ 2.15 | \$ 2.90 | | |
| Captan 5% Bark | qt | | \$ 0.45 | | \$ 0.50 |
| Champ | qt | | \$ 7.05 | | |
| Champ II | qt | | | \$13.70 | |
| Copper Count N | qt | | \$ 2.05 | \$ 2.50 | |
| Dithane DF | lb | | \$ 3.40 | | \$ 3.55 |
| Dithane F45 | qt | | \$ 4.05 | \$ 4.15 | \$ 4.45 |
| Dithane M45 | lb | | \$ 2.90 | | \$ 3.60 |
| Kocide DF | lb | | \$ 2.45 | | \$ 2.80 |
| Kocide LF | qt | | | \$ 4.15 | \$ 4.40 |
| Mancozeb | lb | | \$ 0.65 | | |
| Mancozeb 8% | lb | | | | \$ 0.60 |
| Maneb Plus Zinc F4 | qt | | \$ 2.50 | \$ 4.05 | |
| Manzate 200 DF | lb | | \$ 3.35 | | |
| Mertect DF | lb | \$24.40 | | | |
| Penncozeb | lb | | | \$ 3.00 | |
| Rovral | qt | \$44.40 | \$44.10 | \$43.40 | \$38.95 |
| TBZ-Bark | lb | | \$ 1.05 | \$ 0.50 | \$ 0.65 |
| TBZ-Talc | lb | | | | \$ 0.60 |
| Terranil | qt | \$13.40 | | \$12.75 | \$13.00 |
| Thiolux | | | \$ 0.75 | | |
| Tilt | qt | \$99.65 | \$88.50 | | \$105.65 |
| Tops 2.5 | lb | | \$ 1.60 | \$ 1.40 | \$ 1.45 |
| Tops 5 | lb | | \$ 3.00 | \$ 2.50 | \$ 2.60 |
| Tops MZ | lb | | | | \$ 2.00 |
| Topsin M 5G | lb | | \$ 1.40 | | |
| FUMIGANTS: | | | | | |
| Telone II | qt | | \$ 2.65 | \$ 2.40 | \$ 2.70 |
| Telone C17 | qt | | \$ 3.45 | | \$ 4.15 |
| VaPam | qt | | | \$ 0.95 | \$ 1.13 |
| VaPam 32% | qt | | \$ 0.90 | | |

*Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

Table 8. Insecticide & Nematicide Prices By Region, 1995.

| <u>Product</u> | <u>Unit</u> | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|------------------------|-------------|------------|-------------|-------------|-------------|
| Ambush | qt | | \$30.00 | \$29.00 | \$31.10 |
| Ammo | oz | | \$ 2.10 | | |
| Asana XL | qt | \$41.90 | \$35.80 | \$36.10 | \$36.55 |
| Capture | qt | \$137.25 | \$122.05 | | \$138.00 |
| Counter 15G | lb | | \$ 2.20 | \$ 1.85 | \$ 2.15 |
| Counter 20CR | | | | \$ 2.60 | |
| Cygon 400 (Dimethoate) | qt | \$ 8.75 | \$ 6.05 | \$ 6.95 | \$ 8.00 |
| Dibrom | qt | | \$17.30 | | \$17.50 |
| Di-Syston L 8E | qt | \$20.75 | | \$16.50 | \$18.60 |
| Di-Syston 15G | lb | \$ 1.80 | \$ 1.50 | | \$ 1.70 |
| Dyfonate 4E | qt | \$15.35 | \$12.55 | \$11.80 | \$13.80 |
| Dyfonate 10G | lb | | | | \$ 1.75 |
| Dyfonate 15G | lb | \$ 2.20 | \$ 1.75 | \$ 1.70 | \$ 2.00 |
| Furadan 4F | qt | \$20.85 | \$17.60 | \$17.10 | \$18.75 |
| Guthion | lb | \$ 9.10 | \$ 8.60 | | |
| Guthion 3 | qt | | | | \$12.80 |
| Guthion 35W | lb | | | | \$ 9.50 |
| Imidan 70 WP | qt | \$ 1.50 | | | |
| Lorsban 4E | qt | \$13.50 | \$12.15 | \$12.65 | \$13.10 |
| Lorsban 15G | lb | | \$ 1.95 | \$ 1.90 | \$ 2.10 |
| Malathion (5lb) | qt | \$ 6.15 | \$ 5.00 | \$ 5.40 | \$ 5.40 |
| Malathion (8 lb) | qt | \$ 7.65 | \$ 6.45 | | |
| Malathion 5E (5%L) | qt | \$ 7.20 | | \$ 5.90 | \$ 5.40 |
| Malathion 57E | qt | \$ 6.45 | \$ 4.60 | \$ 6.00 | \$ 5.75 |
| Malathion 4% | lb | \$ 2.05 | | | |
| Malathion 6% | lb | \$ 0.75 | | \$ 0.95 | \$ 0.60 |
| Methyl Parathion | qt | \$ 7.75 | | | \$ 8.90 |
| Mo-Cap 10G | lb | | \$ 1.45 | \$ 1.30 | \$ 1.45 |
| Mo-Cap L 6E | qt | | \$17.85 | \$16.45 | \$19.10 |
| Monitor 4 | qt | | | \$17.00 | |
| Monitor 5G | qt | | \$18.45 | \$18.65 | \$20.50 |
| MSR 2lb | qt | | \$12.30 | | \$15.50 |
| Parathion 4EC | qt | | \$ 6.30 | | \$ 7.65 |
| Penn-cap-M | qt | \$ 7.00 | \$ 6.25 | | \$ 6.35 |
| Phosdrin | qt | | \$20.10 | | |
| Pounce | qt | \$48.25 | \$47.10 | \$43.15 | \$37.70 |
| Reldan 3% | lb | \$ 2.45 | \$ 2.10 | \$ 2.00 | \$ 2.40 |

Table 8. Insecticide & Nematicide Prices By Region, 1995, (cont.)

| Product | Unit | NI* | SWI* | SCI* | SEI* |
|--------------------------|-------------|------------|-------------|-------------|-------------|
| Reldan L | qt | \$53.25 | | \$48.50 | \$56.25 |
| Sevin XLR Plus | qt | \$ 8.25 | \$ 6.50 | \$ 6.65 | \$ 7.00 |
| Supracide | qt | | \$12.55 | | \$13.00 |
| Temik | lb | | \$ 3.15 | \$ 3.15 | \$ 3.70 |
| Thimet 20G (Phorate) | lb | \$ 2.00 | \$ 2.10 | \$ 1.80 | \$ 2.00 |
| Thimet 20G (Lock N Load) | lb | | | | \$ 1.95 |
| Thiodan | qt | \$10.80 | \$ 9.85 | \$ 9.40 | \$10.40 |
| Thiodan DF | | | \$ 6.60 | | |

*Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

Table 9. Fertilizer Prices By Region, 1995.

| Price per ton | NI* | SWI* | SCI* | SEI* |
|--------------------------------|------------|-------------|-------------|-------------|
| Nitrogen: | | | | |
| Ammonium Nitrate (34-0-0-0) | \$232 | | \$214 | \$205 |
| Ammonium Sulfate (20-0-0-24) | \$199 | \$180 | \$161 | \$188 |
| Urea (46-0-0-0) | \$284 | \$293 | \$261 | \$268 |
| 30-0-0-6 | \$239 | | | |
| Anhydrous Ammonia (82%) | \$494 | \$360 | \$325 | \$370 |
| Aqua Ammonia (21%) | \$126 | \$117 | \$120 | |
| Solution 32 (32-0-0-0) | \$269 | \$230 | \$208 | \$215 |
| Thio Sul (12-0-0-26) | \$235 | \$216 | \$163 | \$166 |
| Phosphate: | | | | |
| 16-20-0 | \$239 | | \$192 | \$223 |
| 11-52-0 | \$332 | \$303 | \$267 | \$278 |
| Treble Superphosphate (0-45-0) | | | \$225 | \$206 |
| 10-34-0 | \$335 | \$299 | \$272 | \$260 |
| Potash: | | | | |
| Muriate of Potash (0-0-60-0) | \$163 | \$170 | \$157 | \$171 |
| Sulfate of Potash (0-0-50-17) | | | \$263 | \$250 |
| Liquid Potash (0-0-13) | | \$51 | \$62 | \$68 |
| Trace: Price per lb. | | | | |
| Zinc | \$1.18 | \$0.75 | \$0.94 | \$0.90 |
| Manganese | \$1.42 | \$0.85 | \$1.63 | \$1.15 |
| Boron | \$2.46 | \$3.57 | \$3.52 | \$2.91 |
| Copper | \$3.71 | \$4.30 | \$3.92 | \$2.50 |
| Sulfur | | \$0.14 | \$0.16 | \$0.14 |
| Iron | \$1.00 | | \$1.50 | |
| Gypsum | \$0.05 | \$0.03 | | |

*Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

Table 10. Seed Prices By Region, 1995.

| | <u>Unit</u> | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|---------------------------|-------------|------------|-------------|-------------|-------------|
| Alfalfa (private) | lb | \$2.50 | \$ 2.25 | \$ 2.65 | \$ 2.60 |
| Alfalfa (public) | lb | \$1.50 | \$ 1.50 | \$ 1.65 | \$ 1.75 |
| Barley: Feed | lb | \$.16 | \$.12 | \$.12 | \$.11 |
| Barley: Malting (private) | lb | | | \$.15 | \$.16 |
| Dry Beans | lb | | \$.30 | \$.30 | |
| Canola | lb | \$2.50 | | | \$ 2.30 |
| Clover: Red | lb | | | \$ 1.45 | |
| Clover: Ladino | lb | | | | |
| Field Corn | lb | | \$ 1.65 | \$ 1.65 | |
| Silage Corn | lb | | \$ 1.65 | \$ 1.65 | |
| Blue Grass (common) | lb | \$1.00 | | | |
| Blue Grass (proprietary) | lb | \$6.00 | | | |
| Orchard Grass | lb | \$1.40 | | \$ 1.60 | |
| Timothy Grass | lb | \$3.00 | | | |
| Lentils | lb | \$.20 | | | |
| Oats | lb | \$.16 | \$.14 | \$.15 | \$.16 |
| Onions | unit | | \$78 | | |
| Dry Peas | lb | \$.15 | | \$.19 | \$.21 |
| Rapeseed Seed | lb | \$.20 | | | \$ 2.25 |
| Sugarbeet Pelleted Seed | unit | | \$60 | \$60 | |
| Potatoes: Chipping G-4 | cwt | | | | \$ 7.50 |
| Potatoes: R. Burbank G-4 | cwt | | \$ 7.25 | \$ 6.85 | \$ 5.85 |
| Potatoes: R. Burbank G-3 | cwt | | \$ 7.55 | \$ 7.20 | \$ 6.20 |
| Potatoes: R. Burbank G-2 | cwt | | \$ 9.85 | \$ 9.45 | \$ 8.45 |
| Potatoes: Shepody G-4 | cwt | | \$ 9.50 | \$ 9.10 | \$ 8.10 |
| Potatoes: Shepody G-3 | cwt | | \$ 12.20 | \$11.80 | \$10.80 |
| Wheat: Hard Red Spring | lb | \$.20 | \$.13 | \$.16 | \$.17 |
| Wheat: Hard Red Winter | lb | | | | \$.15 |
| Wheat: Soft White Spring | lb | \$.15 | | \$.13 | \$.12 |
| Wheat: Soft White Winter | lb | \$.16 | | | |

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI). Seed potato prices include a base price plus transportation. Transportation and handling costs for SWI, SCI and SEI are \$2.25, \$1.85 and \$.85, respectively.

Table 11. Crop Insurance Costs Per Acre By Region, 1995.

| | <u>NI*</u> | <u>SWI*</u> | <u>SCI*</u> | <u>SEI*</u> |
|---------------------|------------|-------------|-------------|-------------|
| Alfalfa Seed | | \$25.50 | \$24.75 | |
| Feed Barley | | \$ 7.90 | \$12.00 | \$10.75 |
| Dryland Barley | \$ 2.75 | | \$ 1.65 | \$3.10 |
| Malting Barley | | | \$14.00 | \$13.65 |
| Field Corn | | \$ 3.70 | \$10.90 | |
| Seed Corn | | \$15.75 | | |
| Sweet Corn | | | \$15.00 | |
| Dry Beans | | \$10.00 | \$12.00 | |
| Lentils | \$ 4.90 | | | |
| Oats | \$1.30 | | | |
| Onions | | \$28.35 | | |
| Green Peas | | | \$20.00 | |
| Pea Seed | \$ 5.20 | | \$15.00 | \$13.50 |
| Commercial Potatoes | | \$27.00 | \$30.00 | \$26.00 |
| Seed Potatoes | | | | \$25.00 |
| Sugarbeets | | \$20.00 | \$31.50 | \$32.00 |
| Wheat | | \$ 6.00 | \$ 7.50 | \$ 7.00 |
| Dryland Wheat | \$ 2.40 | | \$ 2.05 | \$ 2.00 |

*Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Southeastern Idaho (SEI).

Publications

Crop CAR Estimates (1995)

NORTHERN IDAHO - DISTRICT I

| | |
|-------------|---|
| EBB1-SC-95 | Spring Canola |
| EBB1-Le-95 | Lentils |
| EBB1-SP-95 | Spring Peas |
| EBB1-WR-95 | Winter Rapeseed |
| EBB1-BSI-95 | Bluegrass Seed: Irrigated |
| EBB1-BE1-95 | Bluegrass Seed Establishment: Irrigated |
| EBB1-BS-95 | Bluegrass Seed |
| EBB1-BSE-95 | Bluegrass Seed Establishment |
| EBB1-TS-95 | Timothy Grass Seed |
| EBB1-TSE-95 | Timothy Grass Seed Establishment |
| EBB1-FB-95 | Feed Barley |
| EBB1-Oa-95 | Oats |
| EBB1-SWW-95 | Soft White Winter Wheat |
| EBB1-AH-95 | Alfalfa Hay Production |
| EBB1-AE-95 | Alfalfa Hay Establishment |
| EBB1-GH-95 | Grass Hay Production |
| EBB1-GHE-95 | Grass Hay Establishment |

SOUTHWESTERN IDAHO - DISTRICT II

| | |
|-------------|---|
| EBB2-DB-95 | Commercial Dry Beans |
| EBB2-CS-95 | Corn Seed |
| EBB2-CSi-95 | Corn Silage |
| EBB2-FC-95 | Field Corn |
| EBB2-On-95 | Onions |
| EBB2-Po1-95 | Russet Burbank Comm. Potatoes: No Storage |
| EBB2-Po2-95 | Shepody Commercial Potatoes: No Storage |
| EBB2-Su-95 | Sugarbeets |
| EBB2-AS-95 | Alfalfa Seed |
| EBB2-FB-95 | Feed Barley |
| EBB2-SW-95 | Spring Wheat |
| EBB2-WW-95 | Winter Wheat |
| EBB2-AH-95 | Alfalfa Hay Production |
| EBB2-AE1-95 | Alfalfa Hay Establishment |
| EBB2-AE2-95 | Alfalfa Establishment w/Oats |
| EBB2-Pa-95 | Pasture |
| EBB2-Mi-95 | Mint |
| EBB2-MiE-95 | Mint Establishment |
| EBB2-PaE-95 | Pasture Establishment |
| EBB2-RDA-95 | Red Delicious Apples |

SOUTHCENTRAL IDAHO - DISTRICT III

| | |
|-------------|--|
| EBB3-DB-95 | Commercial Dry Beans |
| EBB3-CS-95 | Corn Silage |
| EBB3-FC-95 | Field Corn |
| EBB3-SC095 | Sweet Corn |
| EBB3-PS-95 | Dry Pea Seed |
| EBB3-BS-95 | Bluegrass Seed |
| EBB3-BSE-95 | Blue Grass Seed Establishment |
| EBB3-Po1-95 | Russet Burbank Comm. Potatoes: No Storage |
| EBB3-Po2-95 | R. Burbank Comm. Potatoes: On-Farm Storage |
| EBB3-Su-95 | Sugarbeets |
| EBB3-AS-95 | Alfalfa Seed |
| EBB3-FB-95 | Feed Barley |
| EBB3-MB-95 | Malting Barley |
| EBB3-HRS-95 | Hard Red Spring Wheat |
| EBB3-SWS-95 | Soft White Spring Wheat |
| EBB3-SWW-95 | Soft White Winter Wheat |
| EBB3-AH-95 | Alfalfa Hay Production |
| EBB3-AE1-95 | Alfalfa Hay Establishment w/Peas |
| EBB3-AE2-95 | Alfalfa Hay Est. follow ing Winter Wheat |
| EBB3-Pa-95 | Pasture |

Blaine & Lincoln Counties

| | |
|-------------|------------------------------------|
| EBB5-FB-95 | Feed Barley |
| EBB5-FBD-95 | Feed Barley: Dryland |
| EBB5-SW-95 | Spring Wheat |
| EBB5-SWD-95 | Spring Wheat: Dryland |
| EBB5-AH-95 | Alfalfa Hay Production |
| EBB5-AE-95 | Alfalfa Hay Establishment |
| EBB5-AHD-95 | Alfalfa Hay: Dryland |
| EBB5-AED-95 | Alfalfa Hay Establishment: Dryland |

Lemhi, Custer & Butte Counties

| | |
|-------------|------------------------------------|
| EBB6-FB-95 | Feed Barley |
| EBB6-AH-95 | Alfalfa Hay Production |
| EBB6-AE1-95 | Alfalfa Hay Establishment w/Barley |
| EBB6-AE2-95 | Alfalfa Hay Establishment w/Oats |

SOUTHEASTERN IDAHO - DISTRICT IV

| | |
|-------------|--|
| EBB4-Po1-95 | Russet Burbank Comm. Potatoes: No Storage |
| EBB4-Po2-95 | R. Burbank Comm. Potatoes: On-Farm Storage |
| EBB4-Po3-95 | Chipping Potatoes: On-Farm Storage |
| EBB4-Po4-95 | G-3 Russet Burbank Seed Potatoes |
| EBB4-Su-95 | Sugarbeets |
| EBB4-PS-95 | Dry Pea Seed |
| EBB4-SC-95 | Spring Canola |
| EBB4-SCD-95 | Spring Canola: Dryland |
| EBB4-WRa-95 | Winter Rapeseed |
| EBB4-FB-95 | Feed Barley |
| EBB4-FBD-95 | Feed Barley: Dryland |
| EBB4-MB-95 | Malting Barley |
| EBB4-HRS-95 | Hard Red Spring Wheat |
| EBB4-SWS-95 | Soft White Spring Wheat |
| EBB4-WWD-95 | Summer Fallow-Winter Wheat: Dryland |
| EBB4-AH-95 | Alfalfa Hay Production |
| EBB4-AE-95 | Alfalfa Hay Establishment in Grain Stubble |

Livestock CAR Estimates (1994)

| | |
|------------|---|
| EBB-D1-94 | Dairy Enterprise Annual Cow Budget 18,000 pound Milk Average Holstein Herd |
| EBB-D2-94 | Dairy Enterprise Annual Cow Budget 21,000 pound Milk Average Holstein Herd |
| EBB-D3-94 | Dairy Enterprise Annual Cow Budget 13,500 pound Milk Average Jersey Herd |
| EBB-DR1-94 | Holstein Replacement Enterprise Budget |
| EBB-DR2-94 | Jersey Replacement Enterprise Budget |
| EBB-CC1-94 | Cow-Calf Summer on Private Range Winter Feeding Necessary |
| EBB-CC2-94 | Cow-Calf Private Pasture and Public Range Winter Feeding Necessary |
| EBB-CC3-94 | Cow-Calf Winter on Public Range |
| EBB-CC4-94 | Cow-Calf Summer on Public Range Winter Feeding Necessary |
| EBB-CC5-94 | Cow-Calf Summer on Public Range Winter on Harvested Feeds & Crop Aftermath |
| EBB-ST1-94 | Stocker; Wintered to go to Grass Bought in Winter, Sold in Fall |
| EBB-ST2-94 | Stocker; Wintered to go to Feedlot Bought in Fall, Sold in Spring |
| EBB-ST3-94 | Stocker; No Wintering Bought in Spring, Sold in Fall |
| EBB-FL1-94 | Idaho Cattle Feedlot Calf to Slaughter; Concentrate Ration |
| EBB-FL2-94 | Idaho Cattle Feedlot Yearling to Slaughter; Concentrate Ration |
| EBB-SR1-94 | Sheep-Range: Ewes on Range, Lambs on Drylot Winter Feeding Necessary |
| EBB-SR2-94 | Sheep-Range: Ewes and Lambs on Range Winter Feeding Necessary |
| EBB-SR3-94 | Sheep-Range: Ewes and Lambs on Range Ewes Winter on Crop Aftermath |
| EBB-SR4-94 | Sheep-Range: Ewes and Lambs on Range Wintered on Alfalfa Pasture |
| EBB-SF1-94 | Sheep-Farm Flock: Ewes on Pasture, Lambs on Drylot |
| EBB-SF2-94 | Sheep-Farm Flock: Ewes and Lambs on Drylot |
| EBB-SF3-94 | Sheep-Farm Flock: Ewes and Lambs on Drylot Free Choice Onions Available |
| EBB-SW1-94 | 100 Sow Farrow to Finish Total Confinement |
| EBB-SW2-94 | 300 Sow Farrow to Finish Modified Open Front Finishing Facilities |
| EBB-SW3-94 | 50 Sow Farrow to Finish Semi-Confinement, Open Front Facilities |
| EBB-SW4-94 | 150 Sow Farrow to Finish Open Front Facilities |

CROP AND LIVESTOCK COSTS AND RETURNS ESTIMATES ORDER FORM

On the previous page is a list of costs and returns (CAR) estimates available through the University of Idaho Department of Agricultural Economics and Rural Sociology. These same CAR estimates are also available on a diskette that can be used with the Enterprise Budget Worksheet Program.

To order: Check the appropriate box next to the items desired, or circle the publication number on the previous page and mail this order form and your check to:

Bob Smathers
Department of Agricultural Economics & Rural Sociology
University of Idaho
Moscow, ID 83844-2334

Make check payable to: Bursar, University of Idaho. Price includes postage.

*Idaho residents add 5% for sales tax.

- ☐ District I Crop CAR Estimates - Northern Idaho: 17 budgets\$9.00
- ☐ District II Crop CAR Estimates - Southwestern Idaho: 20 budgets\$9.20
- ☐ District III Crop CAR Estimates - Southcentral Idaho: 32 budgets\$14.80
- ☐ District IV Crop CAR Estimates - Southeastern Idaho: 17 budgets\$9.00
(Each District I-IV Crop Budgets is sent in a report cover with fasteners)
- ☐ Livestock CAR Estimates: 26 budgets *(Includes 3-ring binder)*\$17.40
- ☐ Enterprise Budget Worksheet Computer Program\$25.00
- Data Disk: \$5.00 each Indicated size of disks: 5-1/4" or 3-1/2"
- ☐ a. District I Crops + Livestock
- ☐ b. District II Crops + Livestock
- ☐ c. District III Crops + Livestock
- ☐ d. District IV Crops + Livestock
- ☐ Crop and Livestock CAR Estimates Notebook\$55.00
(Includes 3-ring binder and all crop & livestock CAR Estimates)
- ☐ Crop and Livestock CAR Estimates Notebook + Enterprise
 Budget Worksheet Program and Data Disks\$80.00

If individual CAR Estimates are desired instead, please indicate their publications number below. Individual CAR Estimates are priced at 40 cents each.

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ |
| EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ |
| EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ | EBB_____ |
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