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Idaho Crop Input Price Summary for 2001

Paul E. Patterson and Robert L. Smathers

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Background

The objective of this publication is to provide producers, lenders, agribusinesses, researchers and extension personnel with input price information needed to develop or modify traditional or alternative cost of production estimates. This publication contains prices for operating inputs commonly used to produce crops in Idaho. These include: herbicides, fungicides, insecticides/nematicides, fertilizers, seeds, interest rates, labor, fuel, water assessments, custom rate charges for chemical and fertilizer applications and crop insurance rates. Additional custom rates are found in University of Idaho Bulletin 729, *1998/99 Custom Rates for Idaho Agricultural Operations*.

The University of Idaho publishes costs and returns (CAR) estimates -- also referred to as enterprise budgets -- for many of the major crops grown in Idaho. These CAR estimates are revised and published every other year (odd-numbered years), typically in the late fall. Livestock CAR estimates are revised and published in even-numbered years. On pages 19 and 20 you will find a list of current CAR estimates, what they cost and how to order them. Information on how to obtain copies from the Internet is also provided.

Idaho costs and returns estimates are developed for four regions of the state. Not only are there different crops produced within these regions because of varying climatic and soil conditions, but the crop production practices for the same crop can vary significantly by region. The four crop regions include: 1) Northern Idaho (NI) with primary emphasis on Benewah, Boundary, Clearwater, Kootenai and Latah counties 2) Southwestern Idaho (SWI) with primary emphasis on Canyon and Elmore counties, 3) Southcentral Idaho (SCI) with primary emphasis on Jerome, Twin Falls, Cassia and Minidoka counties, and 4) Eastern Idaho (EI) with primary emphasis on Power, Bingham, and Bannock counties for the southern part of the district and Bonneville, Madison, Fremont and Jefferson counties for the northern portion of the district. The Southcentral region also contains crop costs and returns for the Blaine-Lincoln county area and the Lemhi-Custer-Butte county area.

Procedure

Cost data reported in this publication are averages for the regions. The data were collected by phone and mail surveys conducted during the summer and early fall of 2001. Sample selection was not random, nor was the sample stratified according to characteristics of the firms. The objective of the surveys was to obtain representative price information within each geographic region, including price information from different firms operating within a region. Firms with multiple outlets in a given geographic area were sampled only once.

Five primary types of businesses were surveyed. These were 1) irrigation districts and canal companies, 2) custom applicators, 3) agricultural lenders, 4) farm chemical and fertilizer dealers and 5) seed dealers. The price for seed potatoes and the cost of treating potato seed was obtained from a survey of Idaho seed potato growers. The seed potato prices shown in Table 10 are the F.O.B price for whole seed potatoes in the seed producing area, plus the cost of handling and transportation from the seed area to the commercial potato area of the respective regions.

General Input Costs

Input costs that don't vary consistently between regions and that don't fit one of the major input categories are found on page 8 in Table 1. This is a catchall category and includes interest rates, labor costs and the cost to cut and treat seed potatoes. Interest rates and labor costs can vary as much within a region as they do between regions of the state.

Interest Rates

Most agricultural lenders use a risk rating of customer's credit status to determine the appropriate interest rate to charge. 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. Interest rates also vary depending on whether the rate is variable or fixed over the loan period. The interest rate on an operating line charged by most banks is on a "Prime Rate plus basis." Typically the rate is 0.5 to 2.5 percent above the Prime Interest Rate. The rate charged on the operating line can remain variable, and therefore fluctuate with the Prime Rate, but it can also be fixed for a period of time, six months for example. The interest rate on intermediate term loans was typically 0.25 to 0.50 percent above the operating interest for a given borrower.

Typical interest rates charged on operating and intermediate term loans are shown in Table 1. Operating loan interest rates at the time of the survey (August) ranged between 6.5 and 8.5 percent. A typical interest rate was 7.5 percent. This rate pertains to a low credit risk customer on a moderate to high loan volume. At the time of the survey in August, 2001 the Prime Rate was 6.0 percent. The Federal Reserve has reduced interest rates by 4.5 percent between January and November of this year. By early November, the Prime Rate was 5.0 percent, its lowest level since the early 1960s. Interest rates on intermediate loans, money borrowed from one to seven years, varied from 6.75 to 9.0 percent. A typical rate was 8.0 percent. This rate assumes a fixed rate loan for a low credit risk borrower.

Labor

Labor charges in the CAR estimates vary according to the type of job and the skill of the laborer. The three labor categories used in the University of Idaho CAR estimates are shown in Table 1. "Other labor" pertains to unskilled, temporary labor hired to help during planting or harvesting. Irrigation labor is the hourly wage equivalent paid to move handlines and wheellines, or to manage center pivots. Machinery labor includes skilled labor to operate tractors, machinery and trucks. The labor costs shown in Table 1 are based on a 2001 survey of potato farmers in southern Idaho. The labor costs include a base wage, plus the employer's payroll tax contribution and other benefits. The value of benefits varies by the class of labor. The benefit rate is 15 percent for other labor, 25 percent for irrigation labor and 30 percent for machinery labor. These benefit rates also came from the 2001 survey.

General Input Costs With Regional Variation

Table 2 on page 8 includes fuel prices, water assessments and fertilizer component prices. Prices of these items do generally vary by region. The fertilizer component prices found in Table 2 are derived from fertilizer product prices listed in Table 9. Fertilizer in the University of Idaho CAR estimates is given in pounds of element, not product. The price per pound for nitrogen (pre- and post-plant), phosphate (dry and liquid), potassium and sulfur are included in Table 2. The assumed source material is also identified.

Fuel

Fuel price varies by location. Price typically increases by 1-3 cents from Southeastern Idaho to Southcentral Idaho and increases by another 1-3 cents from Southcentral to Southwestern Idaho. Fuel prices in Northern Idaho are typically 4-8 cents higher than Southwestern Idaho. While gasoline prices at the time of the survey fit the normal price difference, bulk farm diesel

did not. The price for gasoline shown in Table 2 is for bulk delivery un-leaded. The road-use tax is included. The price for diesel is for bulk delivery and does not included the road-use tax.

Irrigation Water Assessments

A typical water assessment charge for each region is shown in Table 2. These water assessment charges are the simple average of the values reported by the irrigation districts and canal companies contacted in each region. The same irrigation districts/canal companies are surveyed each year to maintain consistency. Assessments made on a per share of water basis were converted to a per acre charge. All of the canal companies and irrigation districts surveyed deliver water in an open ditch to the farmer.

Water assessments reported by the seven water organizations surveyed in Southwestern Idaho averaged $31.65 per acre, ranging from a low of $24.50 per acre to a high of $37.25. The average water assessment charge reported by the four water organizations surveyed in Southcentral Idaho was $24.70, ranging from $18.00 to $35.00 per acre. Water charges in Southeastern Idaho are considerably lower than for the other two areas of southern Idaho, averaging $10.30 per acre and ranging from $8.50 to $14.50 per acre. Four water organizations were surveyed in Southeastern Idaho.

Fertilizer Component Prices

The component fertilizer prices, shown in Table 2, can be used to revise cost estimates where fertilizer is specified by element, not by total pounds of product. Table 9 contains the price per ton of various source materials as well as the price per pound for micronutrients. The component price will vary depending on the source material. The pre-plant nitrogen price in Table 2 is based on the price on nitrogen in Urea (46-0-0), while the post-plant nitrogen price is based on the price on nitrogen in Solution 32 (32-0-0). Dry phosphate price is based on the price of phosphate in 11-52-0 with the nitrogen in 11-52-0 valued at the price of nitrogen in Urea (46-0-0), while liquid phosphate price is based on the price of phosphate in 10-34-0 with the nitrogen valued at the price of nitrogen in Urea. Potassium price is based on Muriate of potash (0-0-60).

Custom Rates

Table 3 on page 9 contains the rate charged by aerial applicators for both liquid and dry material applications. Table 3 also lists the custom charges made to apply fertilizer and chemical by various ground methods. Aerial application charges typically vary by the quantity

and type of material applied. The charge for applying liquid materials falls into the categories based on the application rate. While other categories exist, Table 3 shows the most common categories: 3-gallon, 5-gallon, 7-gallon, 10-gallon and 15-gallon rates. Aerial application of dry material is typically charged on a per pound basis with a minimum per acre charge. The minimum per acre charge on dry material is generally based on 100 pounds of material. Many custom aerial applicators have a sliding scale, charging less for a large acreage and more for smaller jobs. They may also charge less when fields are large and easily accessible, compared with small or irregular shaped fields. These same factors help explain some of the regional cost differences. Fields in Eastern Idaho tend to be large, while those in Western Idaho, and to some extent Southcentral Idaho, are smaller. The standard charge in Eastern Idaho is for large fields, while the standard charge in Western Idaho is for small fields. These regional differences are reflected in Table 3. The rates charged for ground application were obtained primarily from fertilizer and chemical retailers who also sell the product. Table 3 also contains the costs of other types of services, including the custom application of apply sulfuric acid to kill potato vines.

Herbicide Prices

Table 4, found on pages 10-12, gives price information for herbicides listed by region. Dry material is priced per pound and liquid material is priced per quart or ounce. The price of liquid products 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 used on row crops, small grains and other crops for which the University of Idaho has developed CAR estimates.

Sticker/Spreader Prices

The price per quart for commonly used stickers and spreaders are found on page 12 in Table 5. Prices are based on a 2-1/2 gallon container price and rounded to the nearest $.05.

Fungicide Prices

Table 6, found on page 13, contains price information for commonly used fungicides listed by region. Dry material is priced per pound and liquid material is priced per quart or per ounce.

Prices for the liquid products were based on a 2-1/2 gallon container. Prices were rounded to the nearest $.05.

Insecticide and Nematicide Prices

Insecticide and nematicide prices are shown in Table 7 on pages 14 and 15. Dry material is priced on a per pound basis and the price of liquids is per quart, based on a 2-1/2 gallon container price. Prices were rounded to the nearest $.05.

Seed Prices

Table 8 on page 15 contains seed prices by region. Prices are per pound, per hundredweight or per unit as in the case of sugarbeet seed. Seed prices were obtained only for those crops for which the University of Idaho presently publishes a CAR estimate. *Please keep in mind that there is a great deal of variability in seed prices, particularly among different varieties.* The seed prices in Table 8 should be considered representative, but they are by no means comprehensive. Generally, prices in Table 8 include seed treatment. Potatoes are an exception.

Fertilizer Prices

Table 9 on page 16 contains the price information on fertilizers. The prices for the macronutrients are per ton or per gallon. The formulation of the various materials is also shown. Prices for micronutrients (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 are likely subtle but important differences in the source material that were not apparent.

Crop Insurance

Crop insurance rates vary considerably even within a narrow geographic area. The insurance rates on page 17 in Table 10 are expressed in the cost per $100 of insured crop value. These "typical" rates were obtained from crop insurance companies in each region. The insurance is based on hail-fire, not multiple peril. The values in Table 10 should not be used uncritically as insurance rates reflect risk. Higher insurance costs should be used in areas with high loss potential and lower rates for lower risk areas. An example of how to covert these to per acre value follow. Consider a farmer producing irrigated wheat in southcentral Idaho. If the farmer wished to insure $300 of crop value per acre, the insurance cost per acre would be $6, given the $2 rate per $100 of crop value.

Costs and Returns Estimates

A list of Idaho crop and livestock CAR estimates currently available is found on page 19 and 20, respectively. These are listed by type of livestock and by region in the case of crops. CAR estimates can be ordered individually, by region or for the entire state, as shown on page 18. CAR estimates can be obtained at county Extension offices, normally for a fee, or they can be downloaded from the Department of Agricultural Economics and Rural Sociology website at the following URL: http://www.ag.uidaho.edu/aers Click on publications. Each budget is a separate publication, which is stored as a PDF (portable document file). A program called Acrobat Reader is required to view and or print these files. A link to obtain a free copy of Acrobat Reader is also shown on our website.

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 (ppatterson@uidaho.edu) at the Idaho Falls R & E Center, 1776 Science Center Drive, Idaho Falls, ID 83402 (529-8376) or Bob Smathers (rsmather@uidaho.edu) at the Department of Agricultural Economics and Rural Sociology, P.O. Box 442334, University of Idaho, Moscow, ID 83843 (885-6934).

The authors would like to thank all the companies and individuals who assisted with this publication by providing price information.

Table 1. General input costs, 2001.

	All Regions
Operating Interest	7.50%
Intermediate Term Interest	8.00%
Machinery Labor*	$11.70
Irrigation Labor*	$ 7.80
Other Labor*	$ 6.90
Cut & Treat Seed Potatoes per cwt	$ 1.50

* Labor includes a base wage plus 15 percent for taxes and benefits on other labor, 25 percent on irrigation labor, and 30 percent on machinery labor.

Table 2. Fuel, water assessments and fertilizer component prices by region, 2001.

	NI*	SWI*	SCI*	EI*
Gasoline per gallon - bulk delivery**	$1.55	$1.60	$1.54	$1.51
Diesel per gallon - bulk delivery**	$1.13	$1.00	$1.07	$1.07
Water Assessment/acre		$31.65	$24.70	$10.30
Pre-plant Nitrogen per lb*** (46-0-0-0)	$ .37	$ .32	$ .31	$ .33
Post-plant Nitrogen per lb*** (32-0-0-0)		$ .34	$ .32	$ .36
Phosphate per lb*** (Dry: 11-52-0)	$ .22	$ .22	$ .19	$ .20
Phosphate per lb*** (Liquid: 10-34-0)	$ .45	$ .38	$ .32	$ .32
Potassium per lb*** (0-0-60)	$ .17	$ .16	$ .15	$ .17
Sulfur per lb		$ .15	$ .13	$ .10

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Eastern Idaho (EI).
** Gasoline price includes road use tax, diesel price does not.
*** Fertilizer prices are per pounds of element and are based on values found in Table 9. Prices will vary depending on source material. Nitrogen in 11-52-0 and 10-34-0 was valued at cost of N in urea.

Table 3. Custom fertilizer & chemical application rates by region, 2001.

	NI*	SWI*	SCI*	EI*
Custom Aerial Application: price/acre				
Liquid Material:**				
3-gallon: Standard	$4.80	$5.25	$5.70	$4.85
5-gallon: Standard	$5.30	$6.60	$6.20	$5.35
7-gallon: Standard	$5.85	$7.90	$7.20	$6.00
10-gallon: Standard	$6.80	$8.65	$8.60	$6.75
15-gallon: Standard		$12.00		
Dry Material:				
Price per lb	$0.05	$0.05	$0.05	$0.06
Minimum charge per acre	$4.75	$7.20	$6.60	$6.00
Dry Fertilizer Application: price/acre				
Broadcast	$5.50	$6.50	$5.50	
Spinner Truck	$4.65	$6.50	$4.75	$4.50
Spinner Cart, Rental	$2.05	$2.80	$1.00	$1.25
Air Machine	$4.50	$6.00	$5.10	$5.35
Custom Fertilize/Cultivate	$7.00			
Liquid Fertilizer Application: price/acre				
Anhydrous	$4.35		$9.00	
Markout		$14.00	$16.50	$14.00
Sidedress		$11.50	$11.00	$14.00
Shank-in	$7.50	$12.50		
Chemical Application: price per acre				
Ground Spray: Grain	$4.40	$7.20	$5.50	$4.50
Ground Spray: Potatoes/Sugarbeets		$8.50	$6.00	$5.50
Ground Spray & Incorporate		$9.00	$14.00	$14.00
Fumigate: Deep injection		$25.00	$28.75	$30.00
Fumigate: Bedding Row		$15.00	$17.00	$15.00
Other				
Sulfuric Acid & Application: per acre			$25.50	$24.50

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Eastern Idaho (EI).

Table 4. Herbicide prices by region, 2001.

Product	Unit	NI*	SWI*	SCI*	EI*
2,4-DB	qt		$8.15	$8.05	
2,4-D Amine (4lb)	qt	$4.05	$3.10	$3.25	$3.40
2,4-D Ester (LV4)	qt	$5.00	$3.74	$3.55	$3.95
2,4-D Ester (LV6)	qt	$6.45		$5.00	$5.45
Accent SP	oz		$33.75	$36.15	$37.20
Achieve	lb	$41.40	$39.85	35.90	$36.50
Ally	oz	$26.70		$29.00	$25.60
Assure II	qt	$35.00	$33.70	$32.80	$36.35
Assert	qt	$26.35	$23.85	$22.45	$25.05
Atrazine 4L	qt	$3.80	$3.90	$2.85	$3.35
Atrazine 90 DF	lb	$4.60	$3.60		$2.80
Avenge	qt	$12.35	$10.65	$10.35	$11.60
Balan	lb		$9.50		
Banvel 4EC	qt	$25.80	$20.95	$23.45	$23.35
Banvel SGF	qt	$11.40			$11.40
Basagran	qt	$24.90	$20.10	$20.30	$22.80
Betamix	qt		$27.85	$25.95	
Bladex 4L	qt			$8.75	
Bronate (2lb)	qt	$12.85	$11.40	$11.40	$12.35
Buctril (2lb)	qt	$16.20	$14.00	$14.60	$15.80
Canvas	oz	$16.25			
Casoron	lb	$2.30	$2.65	$2.15	$2.05
Cheyenne	qt				$27.35
Clarity	qt	$26.80	$22.10	$22.20	$24.30
Curtail	qt	$11.05	$10.90	$9.85	$10.40
Curtail M	qt	$12.55	$11.25	$10.25	$10.95
Diquat	qt		$21.00	$22.10	$23.45
Direx (80DF)	lb		$4.30	$5.40	
Direx (4lb)	qt	$6.05	$4.40		
Diuron	qt		$1.10		
Dual 8E	qt		$16.95		
Dual II	qt		$16.95		
Dual Magnum	qt	$32.25	$25.45	$28.50	
Dual Magnum II	qt		$26.55		$30.40
Eptam 7E	qt	$9.40	$8.15	$8.35	$8.85
Eradicane 6.7E	qt	$8.20	$7.60	$7.60	$7.55
Escort	oz	$23.25	$20.90	$21.85	
Express	oz	$21.35	$18.75	$19.00	$20.45
Far-Go 10G	lb	$1.10			$1.00

Table 4. Herbicide prices by region, 2001. (cont.)

Product	Unit	NI*	SWI*	SCI*	EI*
Far-Go L	qt	$11.70			$11.65
Frontier	qt	$27.85	$23.00	$22.55	
Fusilade	qt		$32.60	$33.30	$36.20
Glean	oz	$20.25			$19.25
Goal	qt	$27.35	$23.00	$22.05	
Goal 2XL	qt		$24.65		
Gramoxone Extra	qt		$9.45	$10.65	$9.20
Harmony Extra	oz	$13.20	$12.10	$13.45	$13.35
Harmony GT	oz	$12.80	$11.75	$12.85	$12.30
Hoelon 3EC	qt	$18.15	$16.70	$16.60	$17.75
Karmex 80DF	lb		$3.90	$5.05	
Landmaster BW	qt	$6.15		$5.80	$5.75
Lasso	qt		$5.95	$6.00	
Matrix	oz		$14.85	$13.80	$16.35
MCPA-Amine	qt	$4.75	$4.10	$4.10	$4.20
MCPA-Ester	qt	$5.40	$4.60	$4.55	$4.90
MCPA 2 lb Sodium Salt	qt	$2.85	$2.30		
MH-30	lb		$5.20	$5.95	
Nortron SC	qt		$47.90	$44.90	
Peak	oz	$13.40			$12.00
Poast	qt	$20.40	$17.15	$17.90	$19.05
Poast Plus	qt	$12.95	$13.50		
Princep	lb	$3.80	$4.20	$4.30	$4.20
Progress	qt		$30.90	$30.10	
Prowl 3.3	qt	$6.15	$5.15	$5.75	$5.90
Puma	qt			$46.15	$50.05
Pursuit WDG	oz	$11.80	$10.65	$10.95	$12.10
Pursuit	qt	$128.75			$130.55
Pyramin DF	lb			$16.30	
Reglone	qt		$21.00		$23.65
Ro-Neet	qt		$15.60	$14.45	
Roundup Ultra	qt	$10.50	$10.70	$11.15	$11.85
Select 2EC	qt		$47.65	$47.95	
Sencor DF	lb	$21.90	$20.05	$19.45	$20.90
Sencor 4L	qt		$25.50	$	$33.30
Sinbar 80W	lb	$32.90	$28.85		
Sonalan	qt	$9.05		$7.25	
Sonalan HFP	qt		$7.10	$7.80	$7.80

Table 4. Herbicide prices by region, 2001. (cont.)

Product	Unit	NI*	SWI*	SCI*	EI*
Starane	qt		$23.80	$22.80	$23.80
Stinger	qt	$144.00	$118.80	$121.80	$138.15
Tiller	qt	$25.60			
Tordon 22K	qt	$25.40	$21.45	$22.60	$25.31
Treflan 4 Ec	qt	$5.65		$5.00	
Treflan MTF	qt	$7.50	$7.00		$5.65
Trilin	qt			$5.95	
Velpar L	qt	$18.05	$14.90	$15.55	$17.25
Weedmaster	qt	$8.85	$7.25	$7.80	$7.15
Weedone 638	qt	$7.35	$5.90	$6.10	$6.50

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI), and Eastern Idaho (EI).

Table 5. Sticker/spreader prices by region, 2001.

Product	Unit	NI*	SWI*	SCI*	EI*
Ad Spray 90	qt				$5.00
Class Act	qt				$1.65
Crop Oil	qt	$3.35		$2.40	
Excel 90	qt	$4.25			
M-90	qt	$4.10			
Meth. Seed Oil	qt	$2.60		$3.15	
Mor-Act	qt	$2.65	$1.90		
Non-Ionic 90	qt			$2.60	
Preference	qt	$4.20		$3.35	$3.35
Prime Oil	qt	$2.55		$2.00	
R-11	qt	$2.85	$3.40		
R-56	qt	$6.75			
Spreader 90	qt				$5.00
Syltac	qt		$11.25		

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI), and Eastern Idaho (EI).

Table 6. Fungicide prices by region, 2001.

Product	Unit	NI*	SWI*	SCI*	EI*
Acrobat 50 WP	lb			$12.65	$11.00
Bayleton	lb	$69.50	$76.00		$67.95
Benlate SP	lb	$19.50	$17.80		
Bravo 720	qt		$12.45		
Bravo Zn	qt				$8.55
Bravo Ultrex	lb		$6.80	$6.35	$7.40
Bravo Weather Stik	lb		$12.45	$11.25	$12.75
Curzate 60 DF	lb		$33.05	$31.65	$32.35
Dithane DF Rainshield	lb		$3.20		$2.60
Dithane WPD	lb		$3.50		
Dithane F45	qt		$3.40	$3.00	$3.55
Equus DF	lb			$7.40	
Flint	lb		$11.90		
Kocide 2000	lb		$2.70		
Kocide 4.5 LF	qt		$6.60		$7.05
Manzate DF	lb			$2.85	$2.45
Maxim MZ	lb				$3.30
Mertect DF	lb	$19.20			
Microthiol	lb		$0.90		
Moncut 50-W	lb		$14.80	$15.00	
Quadris	qt	$84.90	$69.40	$70.25	$76.80
Rally WP	oz		$4.55		
Ridomil Gold EC	qt		$182.00		$196.20
Ridomil Gold MZ	lb			$1.80	
Ridomil/Bravo 81 WP	lb		$15.95		$17.70
Ridomil/Copper 70 WP	lb		$12.30		$13.25
Rovral 4L	qt		$42.90		
Rubigan EC	qt		$68.75		
Super Tin 80WP	lb		$33.25		$35.30
Tattoo C	qt				$23.00
Tilt	qt	$92.30	$89.40	$81.80	
Tops 2.5	lb				$1.80
Tops MZ	lb		$2.00	$2.00	$2.45
FUMIGANTS: Price per qt.					
Metam Sodium	qt		$0.90	$0.75	
Telone II	qt		$3.20		
Vapam 42%	qt		$0.90	$0.80	$0.85

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Eastern Idaho (EI).

Table 7. Insecticide and nematicide prices by region, 2001.

Product	Unit	NI*	SWI*	SCI*	EI*
Admire	qt		$156.25	$146.75	$168.75
Ambush 2E	qt		$29.25	$29.60	$32.20
Asana XL	qt	$34.50	$25.45	$25.30	$31.25
Capture	qt	$114.55	$94.40	$107.90	$119.05
Comite	qt		$19.20	$21.00	
Counter 20CR L-n-L	lb		$2.65	$2.65	
Counter 15G L-n-L	lb		$2.25	$2.00	
Cygon 400 (Dimethoate)	qt	$10.35	$8.95	$9.10	$9.95
Dibrom	qt		$18.80	$20.05	
Di-Syston L 8E	qt	$23.75	$20.65	$19.70	$23.15
Di-Syston 15G	lb	$2.55		$2.10	$2.05
Dyfonate 4EC	qt				$13.75
Fulfill	oz		$5.35	$5.30	$5.60
Furadan 4F	qt		$18.05	$18.30	$19.50
Guthion 50WP	lb		$9.90		
Imidan 70WP	lb	$7.85	$6.65	$6.90	
Lorsban 4E	qt	$11.60	$9.65	$11.35	$10.80
Lorsban 15G	lb		$1.85	$1.70	
Malathion 5 EC	qt	$7.85	$5.20	$6.50	
Malathion 8 EC	qt	$8.35	$7.50		$7.40
Metasystox R	qt		$16.80		
Methyl Parathion	qt	$9.55			
Mocap 10G	lb		$1.40	$1.25	$1.45
Mocap 6EC	qt		$17.45	$15.55	$18.90
Monitor 4	qt		$21.90	$21.00	$23.45
Orthene	lb		$11.15		$13.70
Parathion 4EC	qt				
Penncap-M	qt	$8.80	$7.35		
Phorate 20G	lb		$1.95	$1.70	$1.95
Pounce 3.2EC	qt		$37.00	$35.40	$38.95
Provado	qt		$120.90		$135.00
Reldan 3%	lb	$2.45	$2.35	$3.05	$2.50
Reldan 4E	qt	$57.00		$61.75	$59.05
Sevin 4F	qt	$8.10	$6.75		
Sevin XLR	qt	$7.75	$7.25	$7.45	$7.85
Supracide	qt		$13.05		$
Temik 15G (L-n-L)	lb		$3.60	$3.40	$3.85
Thimet 20G (L-n-L)	lb		$2.80	$2.20	$2.50

Table 7. Insecticide and nematicide prices by region, 2001. (cont.)

Product	Unit	NI*	SWI*	SCI*	EI*
Thiodan 3EC	qt		$7.60	$8.40	$8.00
Thiodan 50WP	lb		$6.95		
Vydate	qt		$15.30		

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI), and Eastern Idaho (EI).

Table 8. Seed prices by region, 2001.

	Unit	NI*	SWI*	SCI*	EI*
Alfalfa (private)	lb	$1.95	$2.25	$2.30	$2.50
Alfalfa (public)	lb	$1.15	$1.65	$1.65	$1.80
Barley: Feed	lb	$0.15	$0.13	$0.13	$0.13
Barley: Malting (private)	lb			$0.15	$0.15
Dry Beans	lb		$28	$27	
Canola	lb	$3.04			
Field Corn	lb		$1.30	$1.35	
Silage Corn	lb		$1.30	$1.35	
Garbonzo Beans	lb	$0.37			
Blue Grass (common)	lb	$1.00			
Blue Grass (proprietary)	lb	$2.00			
Orchard Grass	lb	$.90			
Timothy Grass	lb	$0.50			
Lentils	lb	$0.17			
Oats	lb	$0.16			
Dry Peas	lb	$0.13			
Rapeseed Seed	lb	$1.20			
Sugarbeet Pelleted Seed	unit		$73	$73	$75
1/ Potatoes: Chipping G-3	cwt				$7.50
1/ Potatoes: Norkotah G-3	cwt		$9.25	$9.00	$7.75
1/ Potatoes: R. Burbank G-3	cwt		$8.75	$8.50	$7.05
1/ Potatoes: R. Burbank G-2	cwt				$8.50
1/ Potatoes: Shepody G-3	cwt		$10.00	$9.25	$8.50
Wheat: Hard Red Spring	lb	$0.17		$0.17	$0.17
Wheat: Hard Red Winter	lb				$0.15
Wheat: Soft White Spring	lb	$0.14	$0.13	$0.12	$0.12
Wheat: Soft White Winter	lb	$0.14	$0.13	$0.13	$0.13

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI), and Eastern Idaho (EI).

1/ Seed potato prices include a base price plus transportation. Transportation and handling costs for SWI, SCI, EI-South and EI-North are $2.50, $1.75, $1.00and $0.55 respectively. The value used to calculate the price of seed potatoes in EI is the average of the North and South charges.

Table 9. Fertilizer prices by region, 2001.

Product	NI*	SWI*	SCI*	EI*
Nitrogen: Price per ton				
Ammonium Nitrate (34-0-0-0)	$283		$240	$260
Ammonium Sulfate (20-0-0-24)	$194	$160	$166	$193
Urea (46-0-0-0)	$342	$295	$262	$301
30-0-0-6	$273			
Anhydrous Ammonia (82%)	$620	$525	$342	
Aqua Ammonia (21%)	$153			
Solution 32 (32-0-0-0)		$195	$205	
Thio Sul (12-0-0-26)		$190	$135	
Nitrogen: Price per gallon				
Solution 32 (32-0-0-0)	$1.65	$1.10		
Thio Sul (12-0-0-26)	$1.30	$1.05		
Phosphate: Price per ton				
16-20-0	$240			$230
11-52-0	$314	$295	$280	$283
10-34-0	$381	$320	$296	$281
3-30-0-4			$230	
Phosphate: Price per gallon				
10-34-0		$1.85		
Potash: Price per ton				
Muriate of Potash (0-0-60-0)	$208	$195	$175	$200
Sulfate of Potash (0-0-50-17)		$320		
Liquid Potash		$75	$72	
Trace: Price per lb. of element, not product.				
Zinc (36%)	$0.75	$1.90	$1.95	$1.20
Boron (15%)	$2.75	$4.75	$3.20	$5.00
Copper (25%)	$4.80	$5.50	$3.60	$3.40
Iron				
Sulfur – Elemental			$0.11	$0.09
Gypsum	$0.06			

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Eastern Idaho (EI).

Table 10. Insurance rates per $100 of crop value by region, 2001.

	NI*	SWI*	SCI*	EI*
Alfalfa Seed		$ 4.25	$ 4.50	
Feed Barley		$ 2.25	$ 4.00	$ 3.90
Dryland Barley	$ 1.54		$ 4.10	$ 3.90
Malting Barley			$ 4.00	$ 3.90
Field Corn		$ 1.05	$ 3.35	
Sweet Corn			$ 3.00	
Dry Beans		$ 2.50	$ 3.00	
Lentils	$ 3.34			
Oats	$ 1.00			
Onions		$ 2.10		
Green Peas			$ 5.00	
Pea Seed	$ 3.09		$ 5.00	$ 4.50
Commercial Potatoes		$ 1.50	$ 2.00	$ 2.00
Seed Potatoes				$ 2.50
Sugarbeets		$ 2.00	$ 3.50	$ 4.00
Wheat		$ 1.50	$ 2.00	$ 2.00
Dryland Wheat	$ 1.00		$ 4.10	$ 2.00

* Northern Idaho (NI), Southwestern Idaho (SWI), Southcentral Idaho (SCI) and Eastern Idaho (EI).

CROP AND LIVESTOCK COSTS AND RETURNS ESTIMATES ORDER FORM

On the following two pages is a list of costs and returns (CAR) estimates available through the University of Idaho Department of Agricultural Economics and Rural Sociology. CAR estimates are also available at no charge on the Agricultural Economics Department homepage in PDF format. The URL is: http://www.ag.uidaho.edu/aers Click on publications.

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

Bob Smathers
Department of Agricultural Economics & Rural Sociology
P.O. Box 442334
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: 20 budgets $10.00

District II Crop CAR Estimates - Southwestern Idaho: 20 budgets $10.00

All District III Crop CAR Estimates - Southcentral Idaho: 28 budgets $14.00

Magic Valley: 18 budgets $9.00

Blaine and Lincoln Counties: 4 budgets $2.00

Lemhi and Custer Counties: 3 budgets $1.50

Butte County: 3 budgets $1.50

All District IV Crop CAR Estimates - Eastern Idaho: 22 budgets $11.00

Eastern Idaho Irrigated: 15 budgets $7.50

Eastern Idaho Dryland: 7 budgets $3.50

All Crop CAR Estimates: 90 budgets $40.00

Livestock CAR Estimates: 21 budgets $10.50

Note: 3-ring binders are available for an additional charge. The 1-inch binder will handle one district's crop budgets or all the livestock budgets. The 1-1/2--inch binder will hold all the crop budgets. Budgets are 3-hole punched.

1- inch 3-ring binder: $3.00

1-1/2 inch 3-ring binder: $4.00

If individual CAR Estimates are desired instead, please indicate their publication number below. Individual CAR Estimates are priced at 50 cents each.

EBB_____ EBB_____ EBB_____ EBB_____ EBB_____ EBB_____ EBB_____
EBB_____ EBB_____ EBB_____ EBB_____ EBB_____ EBB_____ EBB_____

Name: _____ Company: _____

Mailing Address: Phone Number: _____

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Publications

Crop CAR Estimates (2001)

NORTHERN IDAHO – DISTRICT I

EBB1-GB-01	Garbonzo Beans
EBB1-SC-01	Spring Canola
EBB1-Le-01	Lentils
EBB1-SP-01	Spring Peas
EBB1-WR-01	Winter Rapeseed After Summer Fallow
EBB!-YM-01	Yellow Mustard Seed
EBB1-BSI-01	Bluegrass Seed: Irrigated
EBB1-BEI-01	Bluegrass Seed Establishment: Irrigated
EBB1-BS-01	Bluegrass Seed
EBB1-BSE-01	Bluegrass Seed Establishment
EBB1-TS-01	Timothy Grass Seed
EBB1-TSE-01	Timothy Grass Seed Establishment
EBB1-FB-01	Feed Barley
EBB1-Oa-01	Oats
EBB1-SWS-01	Soft White Spring Wheat
EBB1-SWW-01	Soft White Winter Wheat
EBB1-AH-01	Alfalfa Hay Production
EBB1-AE-01	Alfalfa Hay Establishment
EBB1-GH-01	Grass Hay Production
EBB1-GHE-01	Grass Hay Establishment

SOUTHWESTERN IDAHO - DISTRICT II

EBB2-DB-01	Commercial Dry Beans
EBB2-CSi-01	Corn Silage
EBB2-FC-01	Field Corn
EBB2-On-01	Onions
EBB2-Po1-01	Russet Burbank Comm. Potatoes: No Storage
EBB2-Po2-01	Shepody Commercial Potatoes: No Storage
EBB2-Su-01	Sugarbeets
EBB2-Mi-01	Mint
EBB2-MiE-01	Mint Establishment
EBB2-AS-01	Alfalfa Seed
EBB2-FB-01	Feed Barley
EBB2-SW-01	Spring Wheat
EBB2-WW-01	Winter Wheat
EBB2-AH-01	Alfalfa Hay Production
EBB2-AE1-01	Alfalfa Hay Establishment
EBB2-AE2-01	Alfalfa Establishment w/Oats
EBB2-Pa-01	Pasture
EBB2-PaE-01	Pasture Establishment
EBB2-Fu-98	Fuji Apple Production
EBB2-RD-98	Red Delicious Apple Production

SOUTHCENTRAL IDAHO - DISTRICT III

EBB3-DB-01	Commercial Dry Beans
EBB3-CS-01	Corn Silage
EBB3-FC-01	Field Corn
EBB3-SC-01	Sweet Corn
EBB3-PS-01	Dry Pea Seed
EBB3-Po1-01	Russet Burbank Comm. Potatoes: No Storage
EBB3-Po2-01	R. Burbank Comm. Potatoes: On-Farm Storage
EBB3-Su-01	Sugarbeets
EBB3-AS-01	Alfalfa Seed
EBB3-FB-01	Feed Barley
EBB3-MB-01	Malting Barley
EBB3-HRS-01	Hard Red Spring Wheat
EBB3-SWS-01	Soft White Spring Wheat
EBB3-SWW-01	Soft White Winter Wheat
EBB3-AH-01	Alfalfa Hay Production
EBB3-AE1-01	Alfalfa Hay Establishment w/Peas
EBB3-AE2-01	Alfalfa Hay Est. following Winter Wheat
EBB3-PA-01	Pasture

Blaine & Lincoln Counties

EBB5-MB-01	Malting Barley
EBB5-SW-01	Spring Wheat
EBB5-AH-01	Alfalfa Hay Production
EBB5-AE-01	Alfalfa Hay Establishment

Lemhi & Custer Counties

EBB6-FB-01	Feed Barley
EBB6-AH-01	Alfalfa Hay Production
EBB6-AE2-01	Alfalfa Hay Establishment w/Oats

Butte County

EBB7-FB-01	Feed Barley
EBB7-AH-01	Alfalfa Hay Production
EBB7-AE2-01	Alfalfa Hay Establishment w/Oats

EASTERN IDAHO - DISTRICT IV

Irrigated

EBB4-Po1-01	Russet Burbank Commercial Potatoes – Southern Counties: No Storage
EBB4-Po2-01	Russet Burbank Commercial Potatoes – Northern Counties: On-Farm Storage
EBB4-Po3-01	Chipping Potatoes – Southern Counties: On-Farm Storage
EBB4-Po4-01	G-3 Russet Burbank Seed Potatoes
EBB4-Po5-01	Russet Burbank Commercial Potatoes – Southern Counties: On-Farm Storage
EBB4-Su-01	Sugarbeets
EBB4-SC-01	Spring Canola
EBB4-FB-01	Feed Barley
EBB4-MB-01	Malting Barley
EBB4-HRS-01	Hard Red Spring Wheat
EBB4-HWS-01	Hard White Spring Wheat
EBB4-SWS-01	Soft White Spring Wheat
EBB4-SWW-01	Soft White Winter Wheat
EBB4-AH-01	Alfalfa Hay Production
EBB4-AE-01	Alfalfa Hay Establishment in Grain Stubble

Dryland

EBB4-FBD1-01	Feed Barley: Low Rainfall Dryland
EBB4-FBD2-01	Feed Barley: High Rainfall Dryland
EBB4-SCD-01	Spring Canola: Low Rainfall Dryland
EBB4-HRWD-01	Summer Fallow- Hard Red Winter Wheat: Low Rainfall Dryland
EBB4-SWWD-01	Summer Fallow – Soft White Winter Wheat: Low Rainfall Dryland
EBB4-HWSD1-01	Hard White Spring Wheat: Low Rainfall Dryland
EBB4-HWSD2-01	Hard White Spring Wheat: High Rainfall Dryland

Livestock CAR Estimates (2000)

EBB-D1-00	Holstein Dairy Enterprise Annual Cow Budget 20,000 lb Milk Average, Small Herd Size
EBB-D2-00	Holstein Dairy Enterprise Annual Cow Budget 23,000 lb Milk Average, Small Herd Size
EBB-D3-00	Jersey Dairy Enterprise Annual Cow Budget 15,000 lb Milk Average, Small Herd Size
EBB-D4-00	Holstein Dairy Enterprise Annual Cow Budget 21,000 lb Milk Average, Medium Herd Size
EBB-DR1-00	Holstein Replacement Enterprise Budget
EBB-DR2-00	Jersey Replacement Enterprise Budget
EBB-CC1-00	Cow-Calf – 250 Cow Summer on Private Range Winter Feeding Necessary
EBB-CC2-00	Cow-Calf - 200 Cow Summer on Private Pasture and Federal Range Winter Feeding Necessary
EBB-CC3-00	Cow-Calf - 500 Cow Summer on Federal Range, Winter on Federal and Private Range
EBB-CC4-00	Cow-Calf - 500 Cow Summer on Federal and State Range, Winter Feeding Necessary
EBB-CC5-00	Cow-Calf - 300 Cow Summer on Federal and State Range, Winter on Harvested Feeds & Crop Aftermath
EBB-ST1-00	Stocker; Wintered to go to Grass Bought in Winter, Sold in Fall
EBB-ST2-00	Stocker; Wintered to go to Feedlot Bought in Fall, Sold in Spring
EBB-ST3-00	Stocker; No Wintering Bought in Spring, Sold in Fall
EBB-FL1-00	Idaho Cattle Feedlot Calf to Slaughter; Concentrate Ration
EBB-FL2-00	Idaho Cattle Feedlot Yearling to Slaughter; Concentrate Ration
EBB-SR1-00	Sheep-Range: Ewes on Range, Lambs on Drylot
EBB-SR4-00	Sheep-Range: Ewes on Range & Lambs on Pasture Wintered on Alfalfa Pasture
EBB-SF1-00	Sheep-Farm Flock: Ewes on Pasture, Lambs on Drylot
EBB-SW1-00	100 Sow Farrow to Finish Total Confinement
EBB-SW3-00	150 Sow Farrow to Finish Semi-Confinement, Open Front Facilities