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| | 1995 Cranberry Establishment and Production Costs and Returns, Southwestern Washington, Wet Harvest | |
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1995 CRANBERRY ESTABLISHMENT AND PRODUCTION COSTS AND RETURNS, SOUTHWESTERN WASHINGTON, WET HARVEST

Cathy J. Schaeffer Kim D. Patten Richard W. Carkner

PREFACE

Enterprise costs and returns vary from one farm to the next and over time for any particular farm. Variability stems from differences in:

- capital, labor, and management resources.
- type, size, and age of machinery.
- cultural practices.
- size of farm and enterprise.
- · crop yields.
- input prices.
- commodity prices.

Costs can also be calculated differently depending on the intended use of the cost estimate. Information in this publication serves as a general guide for a modern and well-managed southwest Washington cranberry enterprise as of 1995. To avoid drawing unwarranted conclusions about costs and returns for any particular farm or group of farms, you must examine closely the assumptions used in this publication. If they are not appropriate for your situation, adjust the costs and/or returns. Blank spaces in budget tables are provided for these adjustments.

Specific production schedules, crop treatments, and pesticide treatments outlined in this publication are intended to model the potential costs and returns of a hypothetical enterprise. Do not consider them a prescription or recommendation guaranteeing a specific outcome.

Economic results are very sensitive to anticipated cranberry prices. For budget purposes, recent prices received by growers were used. Current and prospective growers are urged to insert their own estimates of future production costs and sale prices for cranberries.

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1995 CRANBERRY ESTABLISHMENT AND PRODUCTION COSTS AND RETURNS, SOUTHWESTERN WASHINGTON, WET HARVEST

Cathy J. Schaeffer, Kim D. Patten, and Richard W. Carkner¹

INTRODUCTION

This study presents estimated establishment and production costs and returns for a ten-acre wet harvest cranberry bog in southwest Washington. Growers, prospective growers, agricultural lenders, and others concerned with the Washington cranberry industry can use the information to estimate the physical and financial requirements of establishing and producing cranberries for wet harvest.

While the acreage and practices outlined may not fit all conditions, they represent current trends. Pesticides are listed for cost estimating purposes only. Check labels for actual pesticide use. The adoption of Best Management Practices (BMP) are encouraged and have been considered in the development of this budget. Individual growers can use the blank spaces provided to adjust the budget tables to their individual bog circumstances. Local Cooperative Extension agents and agribusiness field representatives should be consulted for recommendations on field operations, farm inputs, and BMP applications.

SOURCES OF INFORMATION

We interviewed area producers to identify field operations and machinery complements commonly used. These producers were considered to be representative of well-managed operations. The quantities and types of materials, i.e., fertilizers, herbicides, and insecticides are based on recommended and widely used practices. We contacted local farm input suppliers for price information on materials and other services used by farmers.

BUDGET ASSUMPTIONS

The following assumptions were used in budget development:

- 1. Eleven acres of land not formerly used for crop production is valued at \$2,500 per acre (for a total of \$27,500). Ten acres are totally devoted to cranberries and one acre is used for roads, buildings, and the pond.
- 2. Supplemental solid set irrigation is used.

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- 3. A crop is established over a period of three years, with harvest operations beginning in year four and reaching full production in year seven.
- 4. Cranberries are harvested beginning in year four. The standard measure of yield per acre is a barrel, which equals 100 pounds. In addition, the cranberry vines are pruned annually beginning in year four and the prunings are sold by the pound. The cranberries and vines are sold independently on the open market, with the following yield estimates:

| Year | Cranberries Barrels/Acre | Vine Prunings Lbs/Acre |
|------|-----------------------------|---------------------------|
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 25 | 330 |
| 5 | 150 | 660 |
| 6 | 200 | 330 |
| 7+ | 200 | 165 |

- 5. The price received for wet harvested cranberries is \$50/barrel. The price received for cranberry vine prunings is \$1/lb.
- 6. Interest rates on operating capital and capital assets including land are ten percent.
- 7. Unless otherwise specified, machinery fixed costs (depreciation and interest) are based on 1994 new machinery prices.

This last assumption may overstate current production costs, but it provides an indication of the cranberry enterprise's ability to replace machinery and equipment. Continued machinery and equipment price increases mean that depreciation claimed on previously purchased equipment understates the capital required to replace these assets. Current pricing of assets gives an indication of an enterprise's long-run ability to replace depreciable assets.

DISCUSSION OF BUDGET INFORMATION

The cranberry enterprise information is presented in a total of seven separate budgets; six for the establishment years and one representing subsequent production years. Activities in the first year include land clearing, leveling, and other development activities. The vines are spread in year two, with the activities of fertilization, irrigation, and weed control occurring in both years two and three. Activities in the fourth and subsequent years include weed, insect, and disease control; fertilization; irrigation; and harvesting.

Budgets for years one through six consist of two tables for each year. The first table (A) provides the schedule of operations by month and selected costs. The second table (B) summarizes costs and provides space for individual farm adjustments. Year seven includes a third table (C) summarizing per acre full production revenues, costs, and annual profitability.

Tables 1A through 7A - Schedule of Operations and Estimated Costs Per Acre

These tables outline the schedule of field operations by calendar month (MTH), the type of equipment and labor used (TOOLING), and the hours used per acre for the cranberry bog for each of the establishment and production years. The costs of field operations are divided into two categories. Fixed costs represent the ownership costs associated with machinery, irrigation, buildings, and land. The second category, variable costs, is associated with operating machinery, hiring labor, and purchasing services and materials. Total cost is the sum of fixed costs and variable costs.

Machinery fixed costs include depreciation, interest on the average investment, taxes, and insurance. Per-hour fixed costs for machinery are determined by dividing the total annual fixed cost per machine by the annual hours of machinery use over all enterprises for the representative farm. For a specific field operation, machinery fixed costs (TOTAL FIXED COSTS) are determined by multiplying the machine hours (MACH HOURS) per acre times the per-hour fixed cost (detailed in Table 10).

Variable costs depend directly on the number of acres or units produced. These costs include fuel, oil, and repairs (FUEL, LUBE, & REPAIRS); machinery operating labor (LABOR); custom work, machine rentals, and hand labor (SERVICE); inputs such as vines, fertilizer, and chemicals (MATER.); and interest on operating capital (INTER.). Overhead variable cost is a miscellaneous expense category, estimated at five percent of variable costs, to cover all other non-itemized expenses such as utilities, telephone, accounting, etc. Cost details are outlined in extensive footnotes for each table A.

Tables 1B through 7B - Summary of Itemized Costs per Acre

Tables 1B through 7B summarize variable, fixed, and total production costs per acre. Inputs are listed with their prices and the quantities used. Complete price information is included in Table 12.

Table 7C - Summary of Revenues, Costs, and Profitability at Full Production

This table summarizes per acre receipts, costs, and profitability at full production for years seven and beyond. Gross receipts are the product of the barrels of production multiplied by the price per barrel, and pounds of vine prunings multiplied by the price per pound. The first measure of profitability is the returns over variable costs and is calculated by subtracting total variable costs from gross revenues. A second measure of profitability, returns to land and management, is calculated by subtracting fixed machinery and investment costs and amortized establishment costs from returns over variable costs. A third measure of profitability is returns to management, which is gross revenues minus all costs except

management. In Table 7C, this is calculated by subtracting land charges from the returns to land and management.

Establishment Costs - Table 8

The establishment costs must be recovered over the useful life of the cranberry bog, estimated at 20 years. This process involves carrying forward total production costs plus interest during the establishment years one through six. These costs accumulate during the establishment period and are offset by returns from the sale of cranberries, which begins in year four. When the bog reaches full production in the seventh year, the accumulated establishment cost is then amortized over the remaining useful life of the bog.

Table 8 summarizes establishment and production costs for years one through six. Production costs are composed of variable and fixed costs. Variable costs are the annual cash costs necessary to establish the bog and produce cranberries. Example variable costs in the first year are land preparation (removing stumps) and chemicals used for weed control. Fixed costs reflect the interest and depreciation costs of owned equipment, land taxes and costs, and interest on unrecovered establishment costs that are charged to the cranberry enterprise. Land fixed costs include taxes and a ten percent return on the purchase price of the land. This cost represents the minimum return the owner-operator desires on the original investment in land. Land cost is termed an opportunity cost to indicate that it is not an out-of-pocket expense, but rather a return that is foregone by the producer as a result of investing in this enterprise.

Beginning with year two, a fixed cost of ten percent of the previous year's accumulated establishment cost is charged against the investment. This cost represents the interest being paid on the cranberry production enterprise, or returns foregone by investing in the cranberry bog, rather than in an alternative investment that would give immediate returns.

The total accumulated establishment cost after year six is \$34313.33. The annual payment required to recover the establishment cost at 10 percent interest over the remaining fourteen years of the bog's 20-year life is \$4657.91. This cost is identified as a prorated establishment cost in Table 7A, 7B, and 7C.

Returns Over Total Costs at Various Yields and Prices - Table 9

Table 9 presents annual returns over total costs, including amortized establishment costs, under full production at various yields and price combinations. The combinations of yield and price that provide positive returns are below the heavy black line. Those combinations above the black line show returns below total production costs. This information can be used to estimate the impact of yield and/or price changes on returns. It can also be used to estimate yield and price combinations necessary to produce a given return over total costs. For example, at a price of \$60 per barrel and a yield of 160 barrels per acre, the return to management is \$1908.14 per acre. The data is based on year seven costs (Tables 7A and 7B) adjusted for harvest costs at each yield level.

Machinery Complement - Table 10

Table 10 lists the machinery complement for a ten-acre farm. Machinery fixed costs (depreciation and interest) are based on new machinery prices unless otherwise specified.

Investment Costs - Table 11

Table 11 lists the investment costs and the associated annual depreciation, interest, repairs, insurance, and taxes on investments. These costs are converted to annual costs and charged against the cranberry enterprise.

Input Prices - Table 12

The prices for materials, custom operations, labor, and other inputs used in deriving these budgets are detailed in Table 12.

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON: YEAR ONE

TABLE 1A.

VARIABLE COST FUEL, MACH TOTAL TOTAL LABOR LUBE, & MACH FIXED VARIABLE TOTAL **OPERATION** TOOLING HOURS HOURS COST REPAIRS LABOR MTH YEAR SERVICE MATER. INTER. COST COST REMOVE STUMPS CUSTOM BRUSH AND STUMP REMOVAL JUN 1995 \$.00 \$.00 \$.00 \$ 4000.00 \$.00 \$ 133.33 \$ 4133.33 \$ 4133.33 LEVEL CUSTOM LEVEL JUN 1995 .00 .00 .00 .00 .00 1000.00 .00 33.33 1033.33 1033.33 SMOOTH RENT TRACTOR/DRAG; 8 HRS LABOR JUN 1995 .00 1.00 .00 .00 156.00 174.12 12.50 .00 5.62 174.12 BUILD POND CUSTOM BUILD POND JUN 1995 .00 .00 .00 .00 .00 500.00 .00 16.67 516.67 516.67 .00 .00 BUILD DIKE JUN 1995 .00 .00 .00 1033.33 CUSTOM BUILD DIKE 1000.00 .00 33.33 1033.33 .00 .00 SOIL TEST 2 TESTS FOR ALL FARM ACREAGE JUL 1995 .00 .00 .00 .00 7.00 .18 7.18 7.18 APPLY 1" SAND CUSTOM SAND APPLICATION JUL 1995 .00 .00 .00 .00 .00 1000.00 .00 25.00 1025.00 1025.00 .00 13.33 INSTALL IRRIGATN HAND TOOLS; 40 HRS HAND LABOR JUL 1995 40.00 74.90 .00 380.00 .00 9.83 403.17 478.07 WEED CONTROL RENT TRACTOR/SPRAY EQUIP. [1] JUL 1995 .00 1.50 .00 .00 18.75 50.00 79.90 3.72 152.37 152.37 DITCHING HAND TOOLS: 64 HRS HAND LABOR AUG 1995 64.00 .00 119.84 21.33 .00 639.82 608,00 .00 10.49 759.66 .00 CRIB DITCH CUSTOM INSTALLATION AUG 1995 .00 .00 .00 .00 4500.00 .00 75.00 4575.00 4575.00 PICK-UP TRUCK ANN 1995 16.50 129,11 51.43 .00 .00 ANNUAL USE 15.00 206.25 12.88 270.56 399.67 .00 .00 .00 LAND OWNERSHIP LAND COST ANN 1995 .00 .00 275.00 .00 .00 .00 275.00 INVEST REPAIRS EQUIPMENT AND BUILDING REPAIRS ANN 1995 .00 .00 .00 .00 .00 35.50 .00 1.78 37.27 37.27 INVEST INT/DEPR EQUIP/BLDGS INTEREST & DEPREC. ANN 1995 .00 .00 399.60 .00 .00 .00 .00 .00 399.60 .00 .00 INSURANCE/TAXES ON INVESTMENTS AND LAND TAXES ANN 1995 .00 .00 62.19 .00 .00 .00 .00 .00 62.19 OVERHEAD 5% VARIABLE COSTS ANN 1995 .00 .00 .00 .00 .00 700.06 700.06 .00 .00 700.06 TOTAL PER ACRE 119.00 19.00 \$1060.64 \$86.10 \$237.50 \$13936.65 \$79.90 \$361.16 \$14701.21 \$15761.85

^{[1] 1} gal/acre Round-Up.

ITEMIZED COST PER ACRE FOR ESTABLISHING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR ONE

TABLE 1B.

| | UNIT | PRICE OR COST/UNIT | QUANTITY | VALUE OR COST | YOUR |
|--|------|-----------------------|----------|------------------|------|
| VARIABLE COSTS | | | | | |
| TRACTOR/DRAG RENT | ACRE | \$ 80.00 | 1.00 | \$ 80.00 | |
| CUSTOM LEVEL | ACRE | 1000.00 | 1.00 | 1000.00 | |
| BUILD POND | ACRE | 500.00 | 1.00 | 500.00 | ~ |
| STUMP REMOVAL | | 4000.00 | 1.00 | | |
| CUSTOM BUILD DIKE | ACRE | 1000.00 | 1.00 | 1000.00 | |
| TRACTOR/SPRAY RENT | ACRE | 50.00 | 1.00 | 50.00 | |
| ROUND-UP | GAL | 79.90 | 1.00 | 50.00 79.90 | |
| CUSTOM SAND APPLIC. | ACRE | 1000.00 | 1.00 | 1000.00 | |
| SOILS TESTS | EACH | 35 00 | 20 | 7 00 | |
| CUSTOM CRIB DITCH HAND LABOR OVERHEAD INVESTMENT REPAIRS INTEREST ON OPER.CAP. | ACRE | 4500.00 | 1.00 | 4500.00 | |
| HAND LABOR | HOUR | 9.50 | 112.00 | 1064.00 | |
| OVERHEAD | ACRE | 700.06 | 1.00 | 700.06 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| INTEREST ON OPER.CAP. | DOL | .10 | 3611.56 | 361.16 | |
| MACHINERY REPAIRS | ACRE | 86.10 | 1.00 | 86.10 | |
| MACHINERY REPAIRS LABOR(TRAC/MACH) | ACRE | 237.50 | 1.00 | 237.50 | |
| TOTAL VARIABLE COST | | | | \$14701.21 | |
| FIXED COSTS | | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 185.62 | 1.00 | \$ 185.62 | |
| MACHINE INTEREST MACHINE INSURANCE MACHINE TAXES LAND COSTS | ACRE | 114.24 | 1.00 | 114.24 | |
| MACHINE INSURANCE | ACRE | 6.85 | 1.00 | 6.85 | |
| MACHINE TAXES | ACRE | 17.14 | 1.00 | 17.14 | |
| LAND COSTS | ACRE | 275.00 | 1.00 | 275.00 | |
| INTEREST: EQUIP/BLDGS | ACRE | 207.80 | 1.00 | 207.80 | |
| DEPREC: EQUIP/BLDGS | ACRE | 191.80 | 1.00 | 191.80 | |
| INVESTMENT INSUR/TAX | ACRE | 41.56 | 1.00 | 41.56 | |
| LAND TAXES | ACRE | 20.63 | 1.00 | 20.63 | |
| TOTAL FIXED COST | | | | \$1060.64 | |
| TOTAL COST | | | | \$15761.85 | |

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING WET HARVEST CRANBERRIES IN

TABLE 2A. SOUTHWEST WASHINGTON; YEAR TWO

| | | | | | | , | | | VARIABLE | COST | | | |
|------------------|----------------------------------|-----|------|---------------|----------------------|-----------|-----------------------------|----------|-----------|------------|----------|---------------------------|---------------|
| OPERAT I ON | TOOLING | мтн | YEAR | MACH HOURS | MACH LABO HOUR | R FIXED | FUEL, LUBE, & REPAIRS | LABOR | SERVICE | MATER. | INTER. | TOTAL VARIABLE COST | TOTAL COST |
| SPREAD VINES | HAND TOOLS; 24 HRS LBR; 1T VINES | MAR | 1996 | 24.00 | .00 | \$ 44.94 | \$ 8.00 | \$.00 | \$ 228.00 | \$ 2000.00 | 130.43 | \$ 2366.43 | \$ 2411.37 |
| DISC VINES | RENT TRACTOR/DISC; MACH. LABOR | | 1996 | .00 | 1.00 | .00 | .00 | 12.50 | 80.00 | .00 | 5.40 | 97,90 | 97.90 |
| APPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR[1] | | 1996 | .50 | .00 | .54 | .33 | .00 | 4.75 | 91.00 | 4.80 | 100.89 | 101.43 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[2] | | 1996 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .62 | 12.95 | 13.49 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [3] | | 1996 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .60 | 12.62 | 12.62 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.89 | 60.66 | 69.88 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[4] | | 1996 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .51 | 12.85 | 13.39 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [5] | | 1996 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .50 | 12.52 | 12.52 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.41 | 60.18 | 69.40 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR [6] | | 1996 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .41 | 12.74 | 13.29 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [7] | | 1996 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .40 | 12.42 | 12.42 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.93 | 59.70 | 68.92 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[8] | | 1996 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .31 | 12.64 | 13.18 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [9] | | 1996 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .30 | 12.32 | 12.32 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.44 | 59.22 | 68.44 |
| FERTILIZE | HAND SPREADER: 1/2 HR LABOR [10] | | 1996 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .21 | 12.54 | 13.08 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM[11] | | 1996 | .00 | .00 | .00 | .00 | .00 | 9.50 | 1.26 | .18 | 10.94 | 10.94 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .96 | 58.74 | 67.96 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .48 | 58.26 | 67.47 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1996 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .00 | 57.77 | 66.99 |
| IRRIGATION | ELECTRICITY AND USAGE CHARGES | | 1996 | .00 | .00 | .00 | .00 | .00 | 93.00 | .00 | 4.65 | 97.65 | 97.65 |
| HAND WEEDING | HAND TOOLS; 210 HRS SEASONALLY | | | 210.00 | .00 | 393.23 | 70.00 | .00 | 1995.00 | .00 | 103.25 | 2168.25 | 2561.48 |
| BOG & DIKE MAINT | | | 1996 | 10.00 | .00 | 18.73 | 3.33 | .00 | 95.00 | .00 | 4.92 | 103.25 | 121.98 |
| PICK-UP TRUCK | ANNUAL USE | ANN | 1996 | 15.00 | 16.50 | 129.11 | 51.43 | 206.25 | .00 | .00 | 12.88 | 270.56 | 399.67 |
| ESTABLISH. COST | INTER. ON UNRECOVERED EST. COST | ANN | 1996 | .00 | .00 | 1576.19 | .00 | .00 | .00 | .00 | .00 | .00 | 1576.19 |
| LAND OWNERSHIP | LAND COSTS | | 1996 | .00 | .00 | 275.00 | .00 | .00 | .00 | .00 | .00 | .00 | 275.00 |
| INSURANCE/TAXES | ON INVESTMENTS AND LAND TAXES | | 1996 | .00 | .00 | 62.19 | .00 | .00 | .00 | .00 | .00 | .00 | 62.19 |
| INVEST INT/DEPR | EQUIP/BLDGS INTEREST & DEPREC. | | 1996 | .00 | .00 | 399.60 | .00 | .00 | .00 | .00 | .00 | .00 | 399.60 |
| INVEST REPAIRS | EQUIPMENT AND BUILDING REPAIRS | | 1996 | .00 | .00 | .00 | .00 | .00 | 35.50 | .00 | 1.78 | 37.27 | 37.27 |
| OVERHEAD | 5% VARIABLE COSTS | | 1996 | .00 | .00 | .00 | .00 | .00 | 289.06 | .00 | .00 | 289.06 | 289.06 |
| TOTAL DED 45 | | | | 200 00 4 | 5 50 | 20// 77 | 4400 40 | AF (0 TT | 42004 54 | 40470 50 | 4202 24 | 0/070 7/ | ********* |
| TOTAL PER ACRE | | | | 290.00 4 | 15.50 | \$2966.77 | \$189.18 | \$268.75 | \$2891.56 | \$2138.59 | \$282.26 | \$6070.34 | \$9037.11 |

[1]50 lbs/acre Evital 5G [2] 50 lbs/acre 6-24-24 [3] 20 lbs/acre 46-0-0 [4] 50 lbs/acre 6-24-24 [5] 20 lbs/acre 46-0-0 [6] 50 lbs/acre 6-24-24 [7] 20 lbs/acre 46-0-0 [8] 50 lbs/acre 6-24-24 [9] 20 lbs/acre 46-0-0 [10] 50 lbs/acre 6-24-24 [11] 10 lbs/acre 46-0-0.

ITEMIZED COST PER ACRE FOR ESTABLISHING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR TWO

TABLE 2B.

| | UNIT | PRICE OR COST/UNIT | QUANTITY | VALUE OR COST | YOUR |
|---|------|-----------------------|----------|------------------|------|
| VARIABLE COSTS | | | | | |
| TRACTOR/DISC RENT | ACRE | \$ 80.00 | 1.00 | \$ 80.00 | |
| HAND LABOR HYBRID VINES | HOUR | 9.50 | 247.00 | 2346.50 | |
| HYBRID VINES | LB | 1.00 | 2000.00 | 2000.00 | |
| EVITAL 5G K2SO4 6-24-24 UREA 46-0-0 IRRIGATION LABOR INVESTMENT REPAIRS OVERHEAD | LB | 1.82 | 50.00 | 91.00 | |
| K2SO4 6-24-24 | LB | .14 | 250.00 | 36.25 | |
| UREA 46-0-0 | LB | .13 | 90.00 | 11.34 | |
| IRRIGATION LABOR | HOUR | 9.50 | 5.00 | 47.50 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| OVERHEAD | ACRE | 289.06 | 1.00 | 289.06 | |
| IRRIGATION USAGE | ACRE | 58.00 | 1.00 | 58.00 | |
| IRRIGATION ELECTRIC | ACRE | 35.00 | 1.00 | 35.00 | |
| INTEREST ON OPER.CAP. | DOL | .10 | 2822.57 | 282.26 | |
| MACHINERY REPAIRS | ACRE | 164.63 | 1.00 | 164.63 | |
| MACHINE FUEL/LUBE | ACRE | 24.55 | 1.00 | 24.55 | |
| IRRIGATION USAGE IRRIGATION ELECTRIC INTEREST ON OPER.CAP. MACHINERY REPAIRS MACHINE FUEL/LUBE LABOR(TRAC/MACH) | ACRE | 568.75 | 1.00 | 568.75 | |
| TOTAL VARIABLE COST | | | | \$6070.34 | |
| FIXED COSTS | • | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 388.32 | 1.00 | \$ 388.32 | |
| MACHINE INTEREST | ACRE | 219.40 | 1.00 | 219.40 | |
| MACHINE INSURANCE | ACRE | 13.16 | 1.00 | 13.16 | |
| MACHINE TAXES | ACRE | 32.91 | 1.00 | 32.91 | |
| MACHINE INSURANCE MACHINE TAXES INVESTMENT INSUR/TAX LAND TAXES ACCUMULATED INTEREST | ACRE | 41.56 | 1.00 | 41.56 | |
| LAND TAXES | ACRE | 20.63 | 1.00 | 20.63 | |
| ACCUMULATED INTEREST | ACRE | 1576.19 | 1.00 | 1576.19 | |
| DEPREC • FOULD / RLDG | ACRE | 191.80 | 1.00 | 191.80 | |
| INTEREST: EQUIP/BLDGS | ACRE | 207.80 | 1.00 | 207.80 | |
| INTEREST: EQUIP/BLDGS LAND COSTS | ACRE | 275.00 | 1.00 | 275.00 | |
| TOTAL FIXED COST | | | | \$2966.77 | - |
| TOTAL COST | | | | \$9037.11 | |

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR THREE

TABLE 3A.

| | | | | | | | | | VARIABLE | COST | | | |
|------------------|----------------------------------|-----|------|---------------|----------------------|-----------|----------|----------|-----------|----------|----------|---------------------------|---------------|
| OPERATION | TOOLING | МТН | YEAR | MACH HOURS | MACH LABO HOUR | R FIXED | | | SERVICE | MATER. | INTER. | TOTAL VARIABLE COST | TOTAL COST |
| SOIL ANALYSIS | 2 TESTS FOR ALL FARM ACREAGE | MAR | 1997 | .00 | .00 | \$.00 | \$.00 | \$.00 | \$ 7.00 | \$.00 | \$.41 | \$ 7.41 | \$ 7.41 |
| APPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR[1] | | 1997 | .50 | .00 | .54 | .33 | .00 | 4.75 | 93.00 | 5.72 | 103.80 | 104.35 |
| FERTILIZE | HAND SPREADER: 1/2 HR LABOR[2] | | 1997 | | .00 | .54 | .33 | .00 | 4.75 | 22.20 | 1.36 | 28.65 | 29.19 |
| APPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR[3] | | 1997 | .50 | .00 | .54 | .33 | .00 | 4.75 | 46.50 | 2.58 | 54.16 | 54.71 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.89 | 60.66 | 69.88 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[4] | | 1997 | .50 | .00 | .54 | .33 | .00 | 4.75 | 14.10 | .80 | 19.98 | 20.53 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [5] | | 1997 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .50 | 12.52 | 12.52 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.41 | 60.18 | 69.40 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR [6] | | 1997 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .41 | 12.74 | 13.29 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [7] | | 1997 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .40 | 12.42 | 12.42 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.93 | 59.70 | 68.92 |
| FERTILIZE | HAND SPREADER: 1/2 HR LABOR [8] | | 1997 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .31 | 12.64 | 13.18 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM [9] | JUL | 1997 | .00 | .00 | .00 | .00 | .00 | 9.50 | 2.52 | .30 | 12.32 | 12.32 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | JUL | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.44 | 59.22 | 68.44 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR [10] | AUG | 1997 | .50 | .00 | .54 | .33 | .00 | 4.75 | 7.25 | .21 | 12.54 | 13.08 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | AUG | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .96 | 58.74 | 67.96 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | SEP | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .48 | 58.26 | 67.47 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | OCT | 1997 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .00 | 57.77 | 66.99 |
| IRRIGATION | ELECTRICITY AND USAGE CHARGE | SEA | 1997 | .00 | .00 | .00 | .00 | .00 | 93.00 | .00 | 4.65 | 97.65 | 97.65 |
| HAND WEEDING | HAND TOOLS; 210 HRS HAND LABOR | | | 210.00 | .00 | 393.23 | 70.00 | .00 | 1995.00 | .00 | 103.25 | 2168.25 | 2561.48 |
| BOG & DIKE MAINT | HAND TOOLS; 10 HRS HAND LABOR | ANN | 1997 | 10.00 | .00 | 18.73 | 3.33 | .00 | 95.00 | .00 | 4.92 | 103.25 | 121.98 |
| PICK-UP TRUCK | ANNUAL USE | | 1997 | 15.00 | 16.50 | 129.11 | 51.43 | 206.25 | .00 | .00 | 12.88 | 270.56 | 399.67 |
| ESTABLISH. COST | INTER. ON UNRECOVERED EST. COST | | | .00 | .00 | 2479.90 | .00 | .00 | .00 | .00 | .00 | .00 | 2479.90 |
| LAND OWNERSHIP | LAND COSTS | | 1997 | .00 | .00 | 275.00 | .00 | .00 | .00 | .00 | .00 | .00 | 275.00 |
| INSURANCE/TAXES | ON INVESTMENTS AND LAND TAXES | | 1997 | .00 | .00 | 62.19 | .00 | .00 | .00 | .00 | .00 | .00 | 62.19 |
| INVEST INT/DEPR | EQUIP/BLDGS INTEREST & DEPREC. | | 1997 | .00 | .00 | 399.60 | .00 | .00 | .00 | .00 | .00 | .00 | 399.60 |
| INVEST REPAIRS | EQUIPMENT AND BUILDING REPAIRS | | 1997 | .00 | .00 | .00 | .00 | .00 | 35.50 | .00 | 1.78 | 37.27 | 37.27 |
| OVERHEAD | 5% VARIABLE COSTS | ANN | 1997 | .00 | .00 | .00 | .00 | .00 | 169.04 | .00 | .00 | 169.04 | 169.04 |
| TOTAL PER ACRE | | | | 266.50 | 44.50 | \$3826.08 | \$181.51 | \$556.25 | \$2456.29 | \$205.11 | \$150.59 | \$3549.75 | \$7375.83 |

[1] 50 lbs/acre Devrinol [2] 100 lbs/acre 0-0-22 KMag; 100 lbs/acre 0-46-0 [3] 25 lbs/acre Devrinol [4] 100 lbs/acre 0-23-25 [5] 20 lbs/acre 46-0-0 [6] 50 lbs/acre 6-24-24 [7] 20 lbs/acre 46-0-0 [8] 50 lbs/acre 6-24-24 [9] 20 lbs/acre 46-0-0 [10] 50 lbs/acre 6-24-24.

ITEMIZED COST PER ACRE FOR ESTABLISHING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR THREE

TABLE 3B.

| | UNIT | PRICE OR COST/UNIT | | VALUE OR COST | |
|--|------|--------------------|---------|------------------|---|
| UNDINDID GOODS | | | | | |
| VARIABLE COSTS | | | | | |
| SOILS TESTS HAND LABOR DEVRINOL 10G KMAG 0-0-22 0-46-0 0-23-25 UREA 46-0-0 IRRIGATION LABOR K2SO4 6-24-24 INVESTMENT REPAIRS OVERHEAD IRRIGATION USAGE IRRIGATION ELECTRIC | EACH | \$ 35.00 | .20 | \$ 7.00 | |
| HAND LABOR | HOUR | 9.50 | 223.50 | 2123.25 | |
| DEVRINOL 10G | LB | 1.86 | 75.00 | 139.50 | |
| KMAG 0-0-22 | LB | .10 | 100.00 | 9.80 | |
| 0-46-0 | LB | .12 | 100.00 | 12.40 | |
| 0-23-25 | LB | .14 | 100.00 | 14.10 | |
| UREA 46-0-0 | LB | .13 | 60.00 | 7.56 | |
| IRRIGATION LABOR | HOUR | 9.50 | 3.00 | 28.50 | - |
| K2SO4 6-24-24 | LB | .14 | 150.00 | 21.75 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| OVERHEAD | ACRE | 169.04 | 1.00 | 169.04 | |
| IRRIGATION USAGE | ACRE | 58.00 | 1.00 | 58.00 | |
| IRRIGATION ELECTRIC | ACRE | 35.00 | 1.00 | 35.00 | |
| INTEREST ON OPER.CAP. | DOL | .10 | 1505.86 | 150.59 | |
| MACHINERY REPAIRS | ACRE | 156.96 | 1.00 | 156.96 | |
| MACHINE FUEL/LUBE | ACRE | 24.55 | 1.00 | 24.55 | |
| IRRIGATION USAGE IRRIGATION ELECTRIC INTEREST ON OPER.CAP. MACHINERY REPAIRS MACHINE FUEL/LUBE LABOR(TRAC/MACH) | ACRE | 556.25 | 1.00 | 556.25 | - |
| | | | | | |
| TOTAL VARIABLE COST | | | | \$3549.75 | |
| | | | | | |
| FIXED COSTS | | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 360.74 | 1.00 | \$ 360.74 | |
| MACHINE DEPRECIATION MACHINE INTEREST MACHINE INSURANCE | ACRE | 205.50 | 1.00 | 205.50 | |
| MACHINE INSURANCE | ACRE | 12.33 | 1.00 | 12.33 | |
| MACHINE TAXES | ACRE | 30.83 | 1.00 | 30.83 | |
| ACCUMULATED INTEREST DEPREC: EQUIP/BLDG INTEREST: EQUIP/BLDGS | ACRE | 2479.90 | 1.00 | 2479.90 | |
| DEPREC: EQUIP/BLDG | ACRE | 191.80 | 1.00 | 191.80 | |
| INTEREST: EQUIP/BLDGS | ACRE | 207.80 | 1.00 | 207.80 | |
| LAND COSTS | ACRE | 275.00 | 1.00 | 275.00 | |
| INVESTMENT INSUR/TAX | ACRE | 41.56 | 1.00 | 41.56 | |
| INVESTMENT INSUR/TAX LAND TAXES | ACRE | 20.63 | 1.00 | 20.63 | |
| TOTAL FIXED COST | | | | \$3826.08 | |
| TOTAL COST | | | | \$7375.83 | |

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR FOUR

TABLE 4A.

| | | | | | | | | | VARIABLE | COST | | | |
|-----------------------------|--|-----|------|---------------|----------------------|-----------|----------|----------|-----------|----------|----------|---------------------------|--------------|
| OPERATION | TOOLING | мтн | YEAR | MACH HOURS | MACH LABO HOUR | R FIXED | LUBE, & | LABOR | SERVICE | MATER. | INTER. | TOTAL VARIABLE COST | TOTA COST |
| ADDLY HERRICIDE | HAND SPREADER: 1/2 HR LABOR[1] | MAD | 1998 | .50 | .00 | \$.54 | \$.33 | \$.00 | \$ 4.75 | \$ 68.00 | \$ 4.26 | \$ 77.35 | \$ 77.8 |
| | | | 1998 | | .00 | .54 | .33 | .00 | 4.75 | 9.80 | .74 | 15.63 | 16.1 |
| ERTILIZE APPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR[2] HAND SPREADER; 1/2 HR LABOR[3] | | 1998 | .50 | .00 | .54 | .33 | .00 | 4.75 | 130.20 | 6.76 | 142.05 | 142.5 |
| | | | 1998 | | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.89 | 60.66 | 69.8 |
| OW/TRIM DIKES ERTILIZE | MOWER; WEED WHACKER; 4 HRS LBR HAND SPREADER; 1/2 HR LABOR[4] | | 1998 | .50 | .00 | .54 | .33 | .00 | 4.75 | 40.60 | 1.90 | 47.59 | 48.1 |
| | THROUGH CHEMIGATION SYSTEM [5] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 16.80 | 1.10 | 27.40 | 27.4 |
| | THROUGH CHEMIGATION SYSTEM [6] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 12.57 | .92 | 22.99 | 22.9 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1998 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.41 | 60.18 | 69. |
| | 1 HIVE/ACRE | | 1998 | .00 | .00 | .00 | .00 | .00 | 35.00 | .00 | 1.17 | 36.17 | 36. |
| ERTILIZE | HAND SPREADER; 1/2 HR LABOR[7] | | 1998 | .50 | .00 | .54 | .33 | .00 | 4.75 | 35.45 | 1.35 | 41.88 | 42. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1998 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.93 | 59.70 | 68. |
| | THROUGH CHEMIGATION SYSTEM [8] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 7.44 | .42 | 17.36 | 17. |
| | THROUGH CHEMIGATION SYSTEM [9] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.70 | .61 | 24.80 | 24. |
| RTILIZE | THROUGH CHEMIGATION SYSTEM[10] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 16.02 | .64 | 26.16 | 26. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1998 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.44 | 59.22 | 68. |
| RTILIZE | THROUGH CHEMIGATION SYSTEM[11] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.24 | .40 | 24.14 | 24. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1998 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .96 | 58.74 | 67 |
| RTILIZE | THROUGH CHEMIGATION SYSTEM[12] | | 1998 | .00 | .00 | .00 | .00 | .00 | 9.50 | 13.35 | .19 | 23.04 | 23. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1998 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .48 | 58.26 | 67. |
| ARVEST | HARVEST EQUIP: 8 HOURS LABOR | | 1998 | 8.00 | 8.00 | 70.33 | 21.41 | 100.00 | .00 | .00 | .00 | 121.41 | 191. |
| | 3/4-T TRUCK & TRAILER | | 1998 | 1.00 | 1.00 | 15.68 | 6.55 | 12.50 | .00 | .00 | .00 | 19.05 | 34. |
| | PRUNE 1/3 OF ACREAGE EACH YEAR | | 1998 | .33 | .33 | 5.17 | 2.16 | 4.12 | 16.50 | .00 | .00 | 22.79 | 27. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1998 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .00 | 57.77 | 66. |
| RIGATION | ELECTRICITY AND USAGE CHARGE | | 1998 | .00 | .00 | .00 | .00 | .00 | 93.00 | .00 | 4.65 | 97.65 | 97. |
| ND WEEDING | HAND TOOLS; 150 HRS SEASONALLY | | | 150.00 | .00 | 280.88 | 50.00 | .00 | 1425.00 | .00 | 73.75 | 1548.75 | 1829. |
| | HAND TOOLS: 10 HRS HAND LABOR | ANN | 1998 | 10.00 | .00 | 18.73 | 3.33 | .00 | 95.00 | .00 | 4.92 | 103.25 | 121. |
| CK-UP TRUCK | ANNUAL USE | | 1998 | | 16.50 | 129.11 | 51.43 | 206.25 | .00 | .00 | 12.88 | 270.56 | 399 |
| | ACCUMULATED INTEREST | ANN | 1998 | .00 | .00 | 3217.47 | .00 | .00 | .00 | .00 | .00 | .00 | 3217. |
| AND OWNERSHIP | LAND COSTS | ANN | 1998 | .00 | .00 | 275.00 | .00 | .00 | .00 | .00 | .00 | .00 | 275. |
| | ON INVESTMENTS AND LAND TAXES | | 1998 | | .00 | 62.19 | .00 | .00 | .00 | .00 | .00 | .00 | 62. |
| | EQUIP/BLDGS INTEREST & DEPREC. | ANN | 1998 | .00 | .00 | 399.60 | .00 | .00 | .00 | .00 | .00 | .00 | 399. |
| | EQUIPMENT AND BUILDING REPAIRS | ANN | 1998 | .00 | .00 | .00 | .00 | .00 | 35.50 | .00 | 1.78 | 37.27 | 37. |
| VERHEAD | 5% VARIABLE COSTS | | 1998 | .00 | .00 | .00 | .00 | .00 | 158.09 | .00 | .00 | 158.09 | 158. |
| TOTAL PER ACRE | | | | 214.83 | 53.83 | \$4541.40 | \$190.97 | \$672.88 | \$1948.34 | \$379.17 | \$128.55 | \$3319.90 | \$7861. |

[1] 50 lbs/acre Casoron 4G [2] 100 lbs/acre 0-0-22 KMag [3] 70 lbs/acre Devrinol 10G [4] 100 lbs/acre 0-46-0; 200 lbs/acre 0-23-25 [5] 8 lbs/acre Kocide 101DF [6] 1.33 lbs/acre Orthene 75WP [7] 200 lbs/acre 0-23-25; 50 lbs/acre 6-24-24 [8] 3.5 pt/acre Bravo 720 [9] 2 lbs/acre Guthion 50WP [10] 30 lbs/acre 21-0-0; 3 gal/acre 3-18-18 [11] 10 lbs/acre 21-0-0; 3 gal/acre 3-18-18.

ITEMIZED COST PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES

TABLE 4B. IN SOUTHWEST WASHINGTON; YEAR FOUR

| | UNIT | PRICE OR COST/UNIT | QUANTITY | VALUE OR COST | YOUR FARM |
|--|------|-----------------------|--------------|------------------|--------------|
| VARIABLE COSTS | | | | | |
| CASORON 4G HAND LABOR KMAG 0-0-22 DEVRINOL 10G ORTHENE 75WP KOCIDE 101DF 0-46-0 0-23-25 POLLINATION K2SO4 6-24-24 IRRIGATION LABOR 21-0-0 3-18-18 GUTHION 50WP BRAVO 720 CUSTOM PRUNE INVESTMENT REPAIRS OVERHEAD IRRIGATION USAGE | LB | \$ 1.36 | 50.00 | \$ 68.00 | |
| HAND LABOR | HOUR | 9.50 | 162.50 | 1543.75 | |
| KMAG 0-0-22 | LB | .10 | 100.00 | 9.80 | |
| DEVRINOL 10G | LB | 1.86 | 70.00 | 130.20 | |
| ORTHENE 75WP | LB | 9.45 | 1.33 | 12.57 | |
| KOCIDE 101DF | LB | 2.10 | 8.00 | 16.80 | |
| 0-46-0 | LB | .12 | 100.00 | 12.40 | |
| 0-23-25 | LB | .14 | 400.00 | 56.40 | |
| POLLINATION | EACH | 35.00 | 1.00 | 35.00 | |
| K2SO4 6-24-24 | LB | .14 | 50.00 | 7.25 | |
| IRRIGATION LABOR | HOUR | 9.50 | 7.00 | 66.50 | |
| 21-0-0 | LB | .09 | 40.00 | 3.56 | |
| 3-18-18 | GAL | 4.45 | 9.00 | 40.05 | |
| GUTHION 50WP | LB | 7.35 | 2.00 | 14.70 | |
| BRAVO 720 | PT | 2.12 | 3.50 | 7.44 | |
| CUSTOM PRUNE | ACRE | 50.00 | .33 | 16.50 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| OVERHEAD | ACRE | 158.09 | 1.00 | 158.09 | |
| OVERHEAD IRRIGATION USAGE IRRIGATION ELECTRIC INTEREST ON OPER.CAP. MACHINERY REPAIRS MACHINE FUEL/LUBE LABOR(TRAC/MACH) | ACRE | 58.00 | 1.00 | 58.00 | |
| IRRIGATION ELECTRIC | ACRE | 35.00 | 1.00 | 35.00 | |
| INTEREST ON OPER.CAP. | DOL | .10 | 1285.47 | 128.55 | |
| MACHINERY REPAIRS | ACRE | 166.42 | 1.00 | 166.42 | |
| MACHINE FUEL/LUBE | ACRE | 24.55 | 1.00 | 24.55 | |
| LABOR (TRAC/MACH) | ACRE | 672.88 | 1.00 | 672.88 | |
| 2112011(21110)1111111 | | | | | |
| TOTAL VARIABLE COST | | | | \$3319.90 | |
| FIXED COSTS | | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 328.72 | 1.00 | \$ 328.72 | |
| | | 213.57 | 1.00 1.00 | 213.57 | |
| MACHINE INSURANCE | ACRE | 12.81 | 1.00 | 12.81 | |
| MACHINE TAXES | ACRE | 32.04 | 1.00 | 32.04 | |
| INVESTMENT INSUR/TAX | ACRE | 41.56 | 1.00 | 41.56 | |
| LAND TAXES | ACRE | 20.63 | 1.00 | 20.63 | |
| ACCUMULATED INTEREST | ACRE | 3217.47 | 1.00 | 3217.47 | |
| INTEREST: FOULD / RIDGS | ACRE | 207.80 | 1.00 | 207.80 | |
| DEPREC: EQUITO / BLDG | ACRE | 191.80 | 1.00 | 191.80 | |
| LAND COSTS | ACRE | 275.00 | 1.00 | 275.00 | |
| MACHINE INTEREST MACHINE INSURANCE MACHINE TAXES INVESTMENT INSUR/TAX LAND TAXES ACCUMULATED INTEREST INTEREST:EQUIP/BLDGS DEPREC:EQUIP/BLDG LAND COSTS | HORE | 2/3.00 | 1.00 | | |
| TOTAL FIXED COST | | | | \$4541.40 | |
| TOTAL COST | | | | \$7861.30 | |

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR FIVE

TABLE 5A.

| | | | | | | | | | VARIABLE | COST | | | |
|----------------|---------------------------------|-----|------|---------------|----------------------|-----------|-----------------------------|----------|----------|----------|---------|---------------------------|---------|
| OPERATION . | TOOLING | МТН | YEAR | MACH HOURS | MACH LABO HOUR | R FIXED | FUEL, LUBE, & REPAIRS | LABOR | SERVICE | MATER. | INTER. | TOTAL VARIABLE COST | TOTA |
| | | | | | | | | | | | | | |
| PPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR[1] | MAD | 1999 | .50 | .00 | \$.54 | \$.33 | \$.00 | \$ 4.75 | \$ 68.00 | \$ 4.26 | \$ 77.35 | \$ 77.8 |
| | HAND SPREADER: 1/2 HR LABOR[2] | | 1999 | .50 | .00 | .54 | .33 | .00 | 4.75 | 9.80 | .74 | 15.63 | 16. |
| | HAND SPREADER; 1/2 HR LABOR[3] | | 1999 | .50 | .00 | .54 | .33 | .00 | 4.75 | 68.00 | 3.65 | 76.74 | 77. |
| | | | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.89 | 60.66 | 69. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | | | .00 | .54 | .33 | .00 | 4.75 | 40.60 | 1.90 | 47.59 | 48. |
| | HAND SPREADER; 1/2 HR LABOR [4] | | 1999 | .50 | | | | | | | | 27.40 | 27. |
| | THROUGH CHEMIGATION SYSTEM [5] | | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 16.80 | 1.10 | 22.99 | 22. |
| | THROUGH CHEMIGATION SYSTEM [6] | | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 12.57 | .92 | | |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.41 | 60.18 | 69. |
| OLLINATION | 1 HIVE/ACRE | - | 1999 | .00 | .00 | .00 | .00 | .00 | 35.00 | .00 | 1.17 | 36.17 | 36. |
| | HAND SPREADER; 1/2 HR LABOR[7] | | 1999 | .50 | .00 | .54 | 33 | .00 | 4.75 | 35.45 | 1.35 | 41.88 | 42. |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | -00 | 1.93 | 59.70 | 68. |
| PPLY FUNGICIDE | THROUGH CHEMIGATION SYSTEM [8] | | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 7.44 | .42 | 17.36 | 17 |
| | THROUGH CHEMIGATION SYSTEM [9] | | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.70 | .61 | 24.80 | 24 |
| ERTILIZE | THROUGH CHEMIGATION SYSTEM[10] | | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 16.02 | .64 | 26.16 | 26. |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | JUL | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.44 | 59.22 | 68 |
| EAF ANALYSIS | FOR FERTILIZER | AUG | 1999 | .00 | .00 | .00 | .00 | .00 | 30.00 | .00 | .50 | 30.50 | 30. |
| ERTILIZE | THROUGH CHEMIGATION SYSTEM[11] | AUG | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.24 | .40 | 24.14 | 24 |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | AUG | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .96 | 58.74 | 67 |
| ERTILIZE | THROUGH CHEMIGATION SYSTEM[12] | SEP | 1999 | .00 | .00 | .00 | .00 | .00 | 9.50 | 13.35 | .19 | 23.04 | 23 |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | SEP | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .48 | 58.26 | 67 |
| • | HARVEST EQUIP: 12 HOURS LABOR | | 1999 | | 12.00 | 105.50 | 32.11 | 150.00 | .00 | .00 | .00 | 182.11 | 287 |
| | LOAD AND HAUL TO PROCESSOR | | 1999 | 1.50 | 1.50 | 23.52 | 9.83 | 18.75 | .00 | .00 | .00 | 28.58 | 52 |
| | PRUNE 1/3 OF ACREAGE EACH YEAR | | 1999 | .33 | .33 | 5.17 | 2.16 | 4.12 | 16.50 | .00 | .00 | 22.79 | 27 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 1999 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .00 | 57.77 | 66 |
| | ELECTRICITY AND USAGE CHARGE | | 1999 | .00 | .00 | .00 | .00 | .00 | 93.00 | .00 | 4.65 | 97.65 | 97 |
| | HAND TOOLS; 50 HRS HAND LABOR | | 1999 | 50.00 | .00 | 93.63 | 16.67 | .00 | 475.00 | .00 | 24.58 | 516.25 | 609 |
| | HAND TOOLS; 10 HRS HAND LABOR | | 1999 | 10.00 | .00 | 18.73 | 3.33 | .00 | 95.00 | .00 | 4.92 | 103.25 | 121 |
| | ANNUAL USE | | 1999 | | 16.50 | 129.11 | 51.43 | 206.25 | .00 | .00 | 12.88 | 270.56 | 399 |
| | | | | | | 3845.61 | .00 | .00 | .00 | .00 | .00 | .00 | 3845 |
| | ACCUMULATED INTEREST | | 1999 | .00 | .00 | | | _ | .00 | .00 | .00 | .00 | 275 |
| | LAND COSTS | | 1999 | .00 | .00 | 275.00 | .00 | .00 | | | .00 | .00 | 62 |
| | | | 1999 | .00 | .00 | 62.19 | .00 | .00 | .00 | .00 | | | |
| | EQUIP/BLDGS INTEREST & DEPREC. | | 1999 | .00 | .00 | 399.60 | .00 | .00 | .00 | .00 | .00 | .00 | 399 |
| | EQUIPMENT AND BUILDING REPAIRS | | 1999 | .00 | .00 | .00 | .00 | .00 | 35.50 | .00 | 1.78 | 37.27 | 37 |
| VERHEAD | 5% VARIABLE COSTS | ANN | 1999 | .00 | .00 | .00 | .00 | .00 | 108.24 | .00 | .00 | 108.24 | 108. |
| TOTAL PER ACRE | | | | 110 33 | 50 77 | \$5025.30 | \$171 62 | \$729.13 | \$978.49 | \$316.97 | \$76.77 | \$2272.97 | \$7208 |

^{[1] 50} lbs/acre Casoron 4G [2] 100 lbs/acre 0-0-22 KMag [3] 50 lbs/acre Casoron 4G [4] 100 lbs/acre 0-46-0; 200 lbs/acre 0-23-25 [5] 8 lbs/acre Kocide 101DF [6] 1.33 lbs/acre Orthene 75WP [7] 200 lbs/acre 0-23-25; 50 lbs/acre 6-24-24 [8] 3.5 pt/acre Bravo 720 [9] 2 lbs/acre Guthion 50WP [10] 30 lbs/acre 21-0-0; 3 gal/acre 3-18-18 [11] 10 lbs/acre 21-0-0; 3 gal/acre 3-18-18 [12] 3 gal/acre 3-18-18.

ITEMIZED COST PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES TABLE 5B. IN SOUTHWEST WASHINGTON; YEAR FIVE

| | | PRICE OR COST/UNIT | QUANTITY | COST | FARM |
|---|------------|-----------------------|----------|-----------|------|
| CASORON 4G HAND LABOR KMAG 0-0-22 0-46-0 0-23-25 IRRIGATION LABOR KOCIDE 101DF ORTHENE 75WP POLLINATION K2SO4 6-24-24 GUTHION 50WP 21-0-0 3-18-18 BRAVO 720 LEAF ANALYSIS CUSTOM PRUNE INVESTMENT REPAIRS | | | | | |
| GRODON AG | T.D. | 0 1 26 | 100.00 | ¢126 00 | |
| CASORON 4G | TR | \$ 1.30 | 62.50 | \$130.00 | |
| MAND LABOR | HOOK | 9.50 | 100 00 | 0 00 | |
| C 46 0 | TD D | 10 | 100.00 | 12 40 | |
| 0-23-35 | T D | 1/ | 400.00 | 56 40 | |
| U-23-25 | TD | . 14 | 7.00 | 56.40 | |
| TRRIGATION LABOR | TD | 2 10 | 7.00 | 16 90 | |
| COMMENT 75MD | LD | 2.10 | 1 22 | 10.00 | |
| DOLLINATION | EVOR TD | 25 00 | 1.00 | 35 00 | |
| FOLLINATION | LACH | 35.00 | 1.00 | 7 25 | |
| R45U4 0-24-24 | LD | * 14 7 25 | 20.00 | 14 70 | |
| GUTHION SOWP | LB | 7.35 | 2.00 | 2 56 | |
| 21-0-0 | LB | .09 | 40.00 | 3.50 | |
| 3-18-18 | GAL | 4.45 | 9.00 | 40.05 | |
| BRAVO /20 | PT | 2.12 | 3.50 | 7.44 | |
| LEAF ANALYSIS | ACRE | 30.00 | 1.00 | 30.00 | |
| LEAF ANALYSIS CUSTOM PRUNE INVESTMENT REPAIRS OVERHEAD IRRIGATION USAGE IRRIGATION ELECTRIC INTEREST ON OPER.CAP. MACHINERY REPAIRS MACHINE FUEL/LUBE LABOR (TRAC/MACH) | ACRE | 50.00 | .33 | 16.50 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| OVERHEAD | ACRE | 108.24 | 1.00 | 108.24 | |
| IRRIGATION USAGE | ACRE | 58.00 | 1.00 | 58.00 | |
| IRRIGATION ELECTRIC | ACRE | 35.00 | 1.00 | 35.00 | |
| INTEREST ON OPER.CAP. | DOL | .10 | 767.70 | 76.77 | |
| MACHINERY REPAIRS | ACRE | 147.07 | 1.00 | 147.07 | |
| MACHINE FUEL/LUBE | ACRE | 24.55 | 1.00 | 24.55 | |
| LABOR(TRAC/MACH) | ACRE | 729.13 | 1.00 | 729.13 | |
| OTAL VARIABLE COST | | | | \$2272.97 | |
| IXED COSTS | | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 230 37 | 1.00 | \$ 230.37 | |
| | | | 1.00 | | |
| MACHINE INTEREST MACHINE INSURANCE MACHINE TAXES INTEREST: EQUIP/BLDGS DEPREC: EQUIP/BLDG LAND COSTS ACCUMULATED INTEREST | ACDE | 10.54 | 1.00 | 10.54 | |
| MACHINE TROUGHOE | ACRE | 26.34 | 1.00 | 26 35 | |
| INDEPECTATION / PIDCE | ACDE | 20.33 | 1.00 | 20.33 | |
| THIEVEST: FACILA DE DOS | ACRE | 101 90 | 1.00 | 101 00 | |
| DELKEC: EQUIP / BLUG | ACRE | 171.00 | 1.00 | 275 00 | |
| TWIN COSTS | ACKE | 2/3.00 | 1.00 | 2/5.00 | |
| ACCUMULATED INTEREST INVESTMENT INSUR/TAX | ACKE | 3045.01 | 1.00 | J045.01 | |
| INVESTMENT INSUR/TAX | ACRE | 41.50 | 1.00 | 41.50 | |
| LAND TAXES | ACRE | 20.63 | 1.00 | 20.63 | |
| OTAL FIXED COST | | | | \$5025.30 | |
| OTAL COST | | | | \$7298.27 | |

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR SIX

TABLE 6A.

| | | | | | | | | | VARIABLE | COST | | | | |
|-----------------|---|-----------|--------|-------|---------------|-----------|---|-----------------------------|----------|----------|---------|-----------|---------------------------|-------|
| OPERATION | N TOOLING | N TOOLING | MTH YI | | MACH HOURS | LABO | MACH TOTAL LABOR FIXED HOURS COST | FUEL, LUBE, & REPAIRS | LABOR | SERVICE | MATER. | INTER. | TOTAL VARIABLE COST | TOTAL |
| | *************************************** | | | | | | | | | | | | | |
| APPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR[1] | MAD | 2000 | .50 | .00 | \$.54 | \$.33 | \$.00 | \$ 4.75 | \$ 68.00 | \$ 4.26 | \$ 77.35 | \$ 77. | |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[2] | | 2000 | .50 | .00 | .54 | .33 | .00 | 4.75 | 9.80 | .74 | 15.63 | 16. | |
| PPLY HERBICIDE | HAND SPREADER; 1/2 HR LABOR [3] | | 2000 | .50 | .00 | .54 | .33 | .00 | 4.75 | 68.00 | 3.65 | 76.74 | 77. | |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 2000 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.89 | 60.66 | 69. | |
| ERTILIZE | HAND SPREADER; 1/2 HR LABOR[4] | | 2000 | .50 | .00 | .54 | .33 | .00 | 4.75 | 40.60 | 1.90 | 47.59 | 48. | |
| | THROUGH CHEMIGATION SYSTEM [5] | | 2000 | .00 | .00 | .00 | .00 | .00 | 9.50 | 16.80 | 1.10 | 27.40 | 27. | |
| | | | 2000 | .00 | .00 | .00 | .00 | .00 | 9.50 | 12.57 | .92 | 22.99 | 22. | |
| | THROUGH CHEMIGATION SYSTEM [6] | | | | | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.41 | 60.18 | 69. | |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 2000 | 4.00 | 4.00 | .00 | .00 | .00 | 70.00 | .00 | 2.33 | 72.33 | 72 | |
| OLLINATION | 2 HIVES/ACRE | | 2000 | .00 | .00 | | | | | 35.45 | 1.35 | 41.88 | 42 | |
| ERTILIZE | HAND SPREADER; 1/2 HR LABOR[7] | | | .50 | .00 | .54 | .33 | .00 | 4.75 | | 1.93 | 59.70 | 68 | |
| DW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 2000 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | | 17.36 | 17 | |
| | THROUGH CHEMIGATION SYSTEM [8] | | 2000 | .00 | .00 | .00 | .00 | .00 | 9.50 | 7.44 | .42 | | | |
| | THROUGH CHEMIGATION SYSTEM [9] | | 2000 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.70 | -61 | 24.80 | 24 | |
| ERTILIZE | THROUGH CHEMIGATION SYSTEM[10] | | 2000 | .00 | .00 | .00 | -00 | .00 | 9.50 | 16.02 | .64 | 26.16 | 26 | |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 2000 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.44 | 59.22 | 68 | |
| EAF ANALYSIS | FOR FERTILIZER | | 2000 | .00 | .00 | .00 | .00 | .00 | 30.00 | .00 | .50 | 30.50 | 30 | |
| ERTILIZE | THROUGH CHEMIGATION SYSTEM[11] | AUG | 2000 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.24 | .40 | 24.14 | 24 | |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | AUG | 2000 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .96 | 58.74 | 67 | |
| ERTILIZE | THROUGH CHEMIGATION SYSTEM[12] | SEP | 2000 | .00 | .00 | .00 | .00 | .00 | 9.50 | 13.35 | .19 | 23.04 | 23 | |
| OW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | SEP | 2000 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .48 | 58.26 | 67 | |
| ARVEST | HARVEST EQUIP: 16 HOURS LABOR | OCT | 2000 | 16.00 | 16.00 | 140.67 | 42.82 | 200.00 | .00 | .00 | .00 | 242.82 | 383 | |
| DAD/HAUL HARVST | LOAD AND HAUL TO PROCESSOR | OCT | 2000 | 2.00 | 2.00 | 31.35 | 13.11 | 25.00 | .00 | .00 | .00 | 38.11 | 69 | |
| | PRUNE 1/3 OF ACREAGE EACH YEAR | | 2000 | .33 | .33 | 5.17 | 2.16 | 4.12 | 16.50 | .00 | .00 | 22.79 | 27 | |
| DW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 2000 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | .00 | 57.77 | 66 | |
| RRIGATION | ELECTRICITY AND USAGE CHARGE | | 2000 | .00 | .00 | .00 | .00 | .00 | 93.00 | .00 | 4.65 | 97.65 | 97 | |
| AND WEEDING | HAND TOOLS; 25 HRS HAND LABOR | | 2000 | 25.00 | .00 | 46.81 | 8.33 | .00 | 237.50 | .00 | 12.29 | 258.12 | 304 | |
| | HAND TOOLS; 10 HRS HAND LABOR | | 2000 | 10.00 | .00 | 18.73 | 3.33 | .00 | 95.00 | .00 | 4.92 | 103.25 | 121 | |
| CK-UP TRUCK | ANNUAL USE | | 2000 | | 16.50 | 129.11 | 51.43 | 206.25 | .00 | .00 | 12.88 | 270.56 | 399 | |
| STABLISH. COST | ACCUMULATED INTEREST | | 2000 | .00 | .00 | 3759.43 | .00 | .00 | .00 | .00 | .00 | .00 | 3759 | |
| AND OWNERSHIP | LAND COSTS | | 2000 | .00 | .00 | 275.00 | .00 | .00 | .00 | .00 | .00 | .00 | 275 | |
| | | | 2000 | .00 | .00 | 62.19 | .00 | .00 | .00 | .00 | .00 | .00 | 62 | |
| NVEST INT/DEPR | | | | .00 | .00 | 399.60 | .00 | .00 | .00 | .00 | .00 | .00 | 399 | |
| | | | | | .00 | .00 | .00 | .00 | 35.50 | .00 | 1.78 | 37.27 | 37 | |
| NVEST REPAIRS | EQUIPMENT AND BUILDING REPAIRS | | 2000 | .00 | .00 | .00 | .00 | .00 | 100.65 | .00 | .00 | 100.65 | 100 | |
| VERHEAD | 5% VARIABLE COSTS | ANN | 2000 | .00 | .00 | .00 | .00 | .00 | 100.05 | .00 | .00 | 100.03 | 100. | |
| TOTAL PER ACRE | | | | 08 83 | 62 83 | \$4935.31 | \$177.27 | \$785.38 | \$768.40 | \$316.97 | \$65.65 | \$2113.66 | \$7048 | |

^{[1] 50} lbs/acre Casoron 4G [2] 100 lbs/acre 0-0-22 KMag [3] 50 lbs/acre Casoron 4G [4] 100 lbs/acre 0-46-0; 200 lbs/acre 0-23-25 [5] 8 lbs/acre Kocide 101DF [6] 1.33 lbs/acre Orthene 75WP [7] 200 lbs/acre 0-23-25; 50 lbs/acre 6-24-24 [8] 3.5 pt/acre Bravo 720 [9] 2 lbs/acre Guthion 50WP [10] 30 lbs/acre 21-0-0; 3 gal/acre 3-18-18 [11] 10 lbs/acre 21-0-0; 3 gal/acre 3-18-18.

ITEMIZED COST PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR SIX

TABLE 6B.

| | UNIT | PRICE OR COST/UNIT | | VALUE OR COST | |
|---|------|-----------------------|--------|--------------------|--|
| VARIABLE COSTS | | | | | |
| CASORON4G HAND LABOR KMAG 0-0-22 0-46-0 0-23-25 IRRIGATION LABOR KOCIDE 101DF ORTHENE 75WP POLLINATION K2SO4 6-24-24 GUTHION 50WP 21-0-0 3-18-18 BRAVO 720 LEAF ANALYSIS CUSTOM PRUNE INVESTMENT REPAIRS OVERHEAD IRRIGATION USAGE IRRIGATION USAGE IRRIGATION ELECTRIC INTEREST ON OPER.CAP. MACHINERY REPAIRS MACHINE FUEL/LUBE LABOR (TRAC/MACH) | LB | \$ 1.36 | 100.00 | s 136.00 | |
| HAND LABOR | HOUR | 9.50 | 37.50 | 356.25 | |
| KMAG 0-0-22 | LB | .10 | 100.00 | 9.80 | |
| 0-46-0 | LB | .12 | 100.00 | 12.40 | |
| 0-23-25 | LB | .14 | 400.00 | 56.40 | |
| IRRIGATION LABOR | HOUR | 9.50 | 7.00 | 66.50 | |
| KOCIDE 101DF | LB | 2.10 | 8.00 | 16.80 | |
| ORTHENE 75WP | LB | 9.45 | 1.33 | 12.57 | |
| POLLINATION | EACH | 35,00 | 2.00 | 70.00 | |
| K2SO4 6-24-24 | LB | . 14 | 50.00 | 7.25 | |
| GUTHION 50WP | LB | 7.35 | 2.00 | 14.70 | |
| 21-0-0 | LB | .09 | 40.00 | 3.56 | |
| 3-18-18 | GAT. | 4.45 | 9.00 | 40.05 | |
| BRAVO 720 | PT | 2.12 | 3.50 | 7.44 | |
| T.EAF ANAT.VSTS | ACRE | 30.00 | 1.00 | 30.00 | |
| CUSTOM PRUNE | ACRE | 50.00 | . 33 | 16.50 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| OVERHEAD | ACRE | 100.65 | 1.00 | 100.65 | |
| IRRIGATION USAGE | ACRE | 58.00 | 1.00 | 58.00 | |
| IRRIGATION STRUCTURE | ACRE | 35.00 | 1 00 | 35.00 | |
| INTEREST ON OPER CAP | DOI. | 10 | 656 45 | 65 65 | |
| MACHINEDY DEDAIDS | ACDE | 152 72 | 1 00 | 152 72 | |
| MACHINE PHET / THE | ACDE | 24.55 | 1.00 | 24 55 | |
| TAROR (TRAC / MACH) | ACRE | 725 32 | 1.00 | 725 32 | |
| LABOR (TRAC/FACIL) | ACRE | 703.30 | 1.00 | 703.30 | |
| TOTAL VARIABLE COST | | | | \$2113.66 | |
| FIXED COSTS | | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 219.52 | 1.00 | \$219.52 181.47 | |
| MACHINE INTEREST | ACRE | 181.47 | 1.00 | 181.47 | |
| MACHINE INTEREST MACHINE INSURANCE | ACRE | 10.89 | 1.00 | 10.89 | |
| MACHINE TAXES DEPREC:EQUIP/BLDG | ACRE | 27.22 | 1.00 | 27.22 | |
| DEPREC: EQUIP/BLDG | ACRE | 191.80 | 1.00 | 191.80 | |
| INTEREST: EQUIP/BLDGS | ACRE | 207.80 | 1.00 | 207.80 | |
| LAND COSTS | ACRE | 275.00 | 1.00 | 275.00 | |
| INVESTMENT INSUR/TAX | ACRE | 41.56 | 1.00 | 41.56 | |
| LAND TAXES | ACRE | 20.63 | 1.00 | 20.63 | |
| ACCUMULATED INTEREST | ACRE | 3759.43 | 1.00 | 3/37.43 | |
| TOTAL FIXED COST | | | | \$4935.31 | |
| TOTAL COST | | | | \$7048.97 | |

SCHEDULE OF OPERATIONS AND ESTIMATED COSTS PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR SEVEN

| | | | | | | | | | | | | - | |
|-----------------|---------------------------------|-----|------|---------------|-------|---------------|-----------------------------|----------|----------|----------|---------|---------------------------|-----------|
| OPERATION 1 | TOOLING | мтн | | MACH HOURS | | R FIXED | FUEL, LUBE, & REPAIRS | LABOR | SERVICE | MATER. | INTER. | TOTAL VARIABLE COST | TOTAL |
| ADDLY WEDDICIDE | HAND CODEADED. 1/2 UD LADORIA | MAD | 2001 | 50 | .00 | \$.54 | \$.33 | \$.00 | \$ 4.75 | \$ 68.00 | \$ 4.26 | \$ 77.35 | \$ 77.89 |
| | HAND SPREADER; 1/2 HR LABOR[1] | | 2001 | .50 | | .54 | .33 | .00 | 4.75 | 9.80 | .74 | 15.63 | 16.17 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[2] | | 2001 | .50 .50 | .00 | .54 | .33 | .00 | 4.75 | 68.00 | 3.65 | 76.74 | 77.28 |
| | HAND SPREADER; 1/2 HR LABOR [3] | | 2001 | 4.00 | 4.00 | 9.22 | 7.77 | 50.00 | .00 | .00 | 2.89 | 60.66 | 69.88 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 2001 | .50 | .00 | .54 | .33 | .00 | 4.75 | 40.60 | 1.90 | 47.59 | 48.13 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR [4] | | 2001 | | | .00 | .00 | .00 | 9.50 | 16.80 | 1.10 | 27.40 | 27.40 |
| | THROUGH CHEMIGATION SYSTEM [5] | | 2001 | .00 | .00 | .00 | .00 | .00 | 9.50 | 12.57 | .92 | 22.99 | 22.99 |
| | THROUGH CHEMIGATION SYSTEM [6] | | 2001 | .00 | | | | 50.00 | .00 | .00 | 2.41 | 60.18 | 69.40 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 2001 | 4.00 | 4.00 | 9.22 | 7.77 | .00 | 70.00 | .00 | 2.33 | 72.33 | 72.33 |
| POLLINATION | 2 HIVES/ACRE | | 2001 | .00 | .00 | .54 | .00 | .00 | 4.75 | 35.45 | 1.35 | 41.88 | 42.43 |
| FERTILIZE | HAND SPREADER; 1/2 HR LABOR[7] | | 2001 | .50 | | 9.22 | 7.77 | 50.00 | .00 | .00 | 1.93 | 59.70 | 68.9 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | | 4.00 | 4.00 | | | .00 | 9.50 | 7.44 | .42 | 17.36 | 17.3 |
| | THROUGH CHEMIGATION SYSTEM [8] | | 2001 | .00 | .00 | .00 | .00 | .00 | 9.50 | 14.70 | .61 | 24.80 | 24.8 |
| | THROUGH CHEMIGATION SYSTEM [9] | | 2001 | .00 | .00 | .00 | .00 | .00 | 9.50 | 16.02 | .64 | 26.16 | 26.1 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM[10] | | 2001 | .00 | .00 | .00 | .00 7.77 | 50.00 | .00 | .00 | 1.44 | 59.22 | 68.4 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 2001 | 4.00 | 4.00 | 9.22 | .00 | .00 | 30.00 | .00 | .50 | 30.50 | 30.5 |
| LEAF ANALYSIS | FOR FERTILIZER | | 2001 | .00 | | .00 | .00 | .00 | 9.50 | 14.24 | .40 | 24.14 | 24.1 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM[11] | | 2001 | .00 | .00 | | 7.77 | 50.00 | .00 | .00 | .96 | 58.74 | 67.9 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 2001 | 4.00 | 4.00 | 9.22 | | .00 | 9.50 | 13.35 | .19 | 23.04 | 23.0 |
| FERTILIZE | THROUGH CHEMIGATION SYSTEM[12] | | 2001 | .00 | .00 | .00 | 7.77 | 50.00 | .00 | .00 | .48 | 58.26 | 67.4 |
| | MOWER; WEED WHACKER; 4 HRS LBR | | 2001 | 4.00 | 4.00 | 9.22 | 42.82 | 200.00 | .00 | .00 | .00 | 242.82 | 383.4 |
| HARVEST | HARVEST EQUIP; 16 HOURS LABOR | | 2001 | | 16.00 | | 13.11 | 25.00 | .00 | .00 | .00 | 38.11 | 69.4 |
| | LOAD AND HAUL TO PROCESSOR | | 2001 | 2.00 | 2.00 | 31.35 5.17 | 2.16 | 4.12 | 16.50 | .00 | .00 | 22.79 | 27.9 |
| | PRUNE 1/3 OF ACREAGE EACH YEAR | | 2001 | .33 | | | 7.77 | 50.00 | .00 | .00 | .00 | 57.77 | 66.9 |
| MOW/TRIM DIKES | MOWER; WEED WHACKER; 4 HRS LBR | | 2001 | 4.00 | 4.00 | 9.22 | 8.33 | .00 | 237.50 | .00 | 12.29 | 258.12 | 304.9 |
| HAND WEEDING | HAND TOOLS; 25 HRS HAND LABOR | | 2001 | | .00 | | .00 | .00 | 93.00 | .00 | 4.65 | 97.65 | 97.6 |
| IRRIGATION | ELECTRICITY AND USAGE CHARGE | | 2001 | .00 | .00 | .00 | 3.33 | .00 | 95.00 | .00 | 4.92 | 103.25 | 121.9 |
| | HAND TOOLS; 10 HRS HAND LABOR | | 2001 | 10.00 | .00 | 18.73 | | 206.25 | .00 | .00 | 12.88 | 270.56 | 399.6 |
| PICK-UP TRUCK | ANNUAL USE | | 2001 | | 16.50 | 129.11 | 51.43 | | | .00 | .00 | .00 | 4657.9 |
| | PRORATED ESTABLSIHMENT COST | | 2001 | .00 | .00 | 4657.91 | .00 | .00 | .00 | | .00 | .00 | 275.0 |
| LAND OWNERSHIP | LAND COSTS | | 2001 | .00 | .00 | 275.00 | .00 | .00 | .00 | .00 | .00 | .00 | 62.1 |
| | ON INVESTMENTS AND LAND TAXES | | 2001 | .00 | .00 | 62.19 | .00 | .00 | .00 | - | | | 399.6 |
| | EQUIP/BLDGS INTEREST & DEPREC. | | 2001 | .00 | .00 | 399.60 | .00 | .00 | .00 | .00 | .00 | .00 | 37.2 |
| INVEST REPAIRS | EQUIPMENT AND BUILDING REPAIRS | | 2001 | .00 | .00 | .00 | .00 | .00 | 35.50 | .00 | 1.78 | 37.27 | |
| OVERHEAD | 5% VARIABLE COSTS | ANN | 2001 | .00 | .00 | .00 | .00 | .00 | 100.65 | .00 | .00 | 100.65 | 100.6 |
| TOTAL PER ACRE | | | | 98.83 | 62.83 | \$5833.79 | \$177.27 | \$785.38 | \$768.40 | \$316.97 | \$65.65 | \$2113.66 | \$7947.40 |

[1] 50 lbs/acre Casoron 4G [2] 100 lbs/acre 0-0-22 KMag [3] 50 lbs/acre Casoron 4G [4] 100 lbs/acre 0-46-0; 200 lbs/acre 0-23-25 [5] 8 lbs/acre Kocide 101DF [6] 1.33 lbs/acre Orthene 75WP [7] 200 lbs/acre 0-23-25; 50 lbs/acre 6-24-24 [8] 3.5 pt/acre Bravo 720 [9] 2 lbs/acre Guthion 50WP [10] 30 lbs/acre 21-0-0; 3 gal/acre 3-18-18 [11] 10 lbs/acre 21-0-0; 3 gal/acre 3-18-18.

ITEMIZED COST PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR SEVEN

TABLE 7B.

| | UNIT | PRICE OR COST/UNIT | | | |
|--|------|-----------------------|--------|-------------------------------------|--|
| VARIABLE COSTS | | | | | |
| CASORON4G HAND LABOR KMAG 0-0-22 0-46-0 0-23-25 IRRIGATION LABOR KOCIDE 101DF ORTHENE 75WP POLLINATION K2SO4 6-24-24 GUTHION 50WP 21-0-0 3-18-18 BRAVO 720 LEAF ANALYSIS | LB | \$ 1.36 | 100.00 | \$ 136.00 | |
| HAND LABOR | HOUR | 9.50 | 37.50 | 356.25 | |
| KMAG 0-0-22 | LB | .10 | 100.00 | 9.80 | |
| 0-46-0 | LB | .12 | 100.00 | 12.40 | |
| 0-23-25 | LB | .14 | 400.00 | 56.40 | |
| IRRIGATION LABOR | HOUR | 9.50 | 7.00 | 66.50 | |
| KOCIDE 101DF | LB | 2.10 | 8.00 | 16.80 | |
| ORTHENE 75WP | LB | 9.45 | 1.33 | 12.57 | |
| POLLINATION | EACH | 35.00 | 2.00 | 70.00 | |
| K2SO4 6-24-24 | LB | .14 | 50.00 | 7.25 | |
| GUTHION 50WP | LB | 7.35 | 2.00 | 14.70 | |
| 21-0-0 | LB | .09 | 40.00 | 3.56 | |
| 3-18-18 | GAL | 4.45 | 9.00 | 40.05 | |
| BRAVO 720 | PT | 2.12 | 3.50 | 7.44 | |
| LEAF ANALYSIS | ACRE | 30.00 | 1.00 | 7.44 30.00 | |
| CUSTOM PRUNE | ACRE | 50.00 | .33 | 16.50 | |
| OVERHEAD | ACRE | 100 65 | 1.00 | 100.65 | |
| INVESTMENT REPAIRS | ACRE | 35.50 | 1.00 | 35.50 | |
| INVESTMENT REPAIRS INVESTMENT REPAIRS IRRIGATION USAGE IRRIGATION ELECTRIC INTEREST ON OPER.CAP. MACHINERY REPAIRS MACHINE FUEL/LUBE | ACRE | 58.00 | 1.00 | 58.00 | |
| IRRIGATION ELECTRIC | ACRE | 35.00 | 1.00 | 35.00 | |
| INTEREST ON OPER.CAP. | DOL | .10 | 656.45 | 65.64 | |
| MACHINERY REPAIRS | ACRE | 152.72 | 1.00 | 152.72 | |
| MACHINE FUEL/LUBE | ACRE | 24.55 | 1.00 | 24.55 | |
| LABOR(TRAC/MACH) | ACRE | 785.38 | 1.00 | 785.38 | |
| COTAL VARIABLE COST | | | | \$2113.66 | |
| FIXED COSTS | | | | | |
| MACHINE DEPRECIATION | ACRE | \$ 219.52 | 1.00 | \$ 219.52 | |
| MACHINE INTEREST | ACRE | 181.47 | 1.00 | 181.47 | |
| MACHINE INSURANCE | | 10.89 | 1.00 | 181.47 10.89 | |
| | | | 1.00 | 27.22 | |
| MACHINE TAXES PRORATED ESTAB. COST | ACRE | 4657.91 | 1.00 | 4657.91 | |
| INTEREST: EQUIP/BLDGS | ACRE | 207.80 | 1.00 | 207.80 191.80 275.00 41.56 | |
| DEPREC: EQUIP/BLDG | ACRE | 191.80 | 1.00 | 191.80 | |
| LAND COSTS | ACRE | 275.00 | 1.00 | 275.00 | |
| INVESTMENT INSUR/TAX | ACRE | 41.56 | 1.00 | 41.56 | |
| | | 20.63 | 1.00 | 20.63 | |
| TOTAL FIXED COST | | | | \$5833.80 | |
| TOTAL COST | | | | \$7947.46 | |

SUMMARY OF RECEIPTS, COSTS, AND PROFITABILITY PER ACRE FOR ESTABLISHING AND PRODUCING WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON; YEAR SEVEN AND BEYOND

TABLE 7C.

| | UNIT COS | | | VALUE OR COST | FARM |
|-------------------------|------------|----------|--------|------------------|------|
| | | | | | |
| ROSS RECEIPTS FROM PROD | UCTION | | | | |
| CRANBERRIES | BARREL | 50.00 | 200.00 | 10000.00 | |
| VINE PRUNINGS | LB | 1.00 | 165.00 | 165.00 | |
| . TOTAL RECEIPTS | | | | \$10165.00 | - |
| LESS: - TOTAL VARIA | BLE COST | | | 2113.66 | |
| . RETURNS OVER VARIABLE | E COST | | | \$8051.34 | |
| LESS: - MACHINERY A | ND INVEST | MENT COS | TS | 880.26 | |
| - PRORATED ES | TABLISHME | NT COSTS | | 4657.91 | |
| RETURNS TO LAND AND | MANAGEMEN' | r | | \$2513.17 | |
| LESS: - LAND COSTS | AND PROPE | RTY TAXE | s | 295.63 | |
| . RETURNS TO MANAGEMEN | r | | | \$2217.54 | |

TABLE 8. PER ACRE COSTS TO ESTABLISH WET HARVEST CRANBERRIES IN SOUTHWEST WASHINGTON²

| Year | Production Costs | Interest on Establishment | Total Annual Production Costs | Accumulated Establishment Balance | Total Annual Revenue | Unrecovered Establishment Investment |
|------|---------------------|------------------------------|-------------------------------------|---|-------------------------|--|
| 1 | \$15,761.85 | \$0.00 | \$15,761.85 | \$15,761.85 | \$0.00 | \$15,761.85 |
| 2 | 7,460.92 | 1,576.19 | 9,037.11 | 24,798.96 | 0.00 | 24,798.96 |
| 3 | 4,895.93 | 2,479.90 | 7,375.83 | 32,174.79 | 0.00 | 32,174.79 |
| 4 | 4,643.82 | 3,217.48 | 7,861.30 | 40,036.09 | 1,580.00 | 38,456.09 |
| 5 | 3,452.66 | 3,845.61 | 7,298.27 | 45,754.36 | 8,160.00 | 37,594.36 |
| 6 | \$3,289.54 | \$3,759.43 | \$7,048.97 | \$44,643.33 | \$10,330.00 | \$34,313.33 |

TABLE 9. CRANBERRY RETURNS PER ACRE OVER TOTAL COST UNDER FULL PRODUCTION AT VARYING CRANBERRY YIELDS AND PRICES³

| YIELD | | PR | ICE PER BARI | REL | |
|--------------|--------------|--------------|--------------|------------|-------------|
| (Barrels/Ac) | \$30 | \$40 | \$50 | \$60 | \$70 |
| 140 | (\$3,446.57) | (\$2,046.57) | (\$646.57) | \$753.44 | \$2,153.44 |
| 160 | (\$2,891.86) | (\$1,291.86) | \$308.14 | \$1,908.14 | \$3,508.14 |
| 180 | (\$2,337.16) | (\$537.16) | \$1,262.85 | \$3,062.85 | \$4,862.85 |
| 200 | (\$1,782.45) | \$217.55 | \$2,217.55 | \$4,217.55 | \$6,217.55 |
| 220 | (\$1,227.75) | \$972.26 | \$3,172.26 | \$5,372.26 | \$7,572.26 |
| 240 | (\$673.04) | \$1,726.96 | \$4,126.96 | \$6,526.96 | \$8,926.96 |
| 260 | (\$118.34) | \$2,481.67 | \$5,081.67 | \$7,681.67 | \$10,281.67 |
| 280 | \$436.37 | \$3,236.37 | \$6,036.37 | \$8,836.37 | \$11,636.37 |

² Interest is applied to net accumulated establishment costs for the previous year at a rate of 10% per year. Total production costs are the sum of the annual production costs (column 2) and the interest on establishment costs (column 3). The accumulated establishment balance is the sum of the previous year's net accumulated costs (column 7), plus total annual production costs (column 4). Unrecovered establishment investment is the accumulated establishment costs (column 5) less annual revenue (column 6).

Total costs are those from Table 7B including the amortized establishment investment costs. Harvest and hauling costs for cranberries vary with yield and are assumed to be approximately \$2.26 per barrel; costs and receipts for the cranberry vine prunings are assumed to be fixed at year seven levels.

TABLE 10. MACHINERY COMPLEMENT FOR A 10-ACRE BOG4

| Machinery | Purchase Price | Years to Trade | Hours of Annual Use | Total Fixed/Hr | Total Var/Hr | Total Cost/Hr |
|------------------|-------------------|-------------------|------------------------|-------------------|-----------------|------------------|
| Walking Beater | \$5,000.00 | 10 | 150 | \$5.02 | \$1.67 | \$6.69 |
| Elevator | \$5,000.00 | 20 | 150 | \$3.77 | \$1.01 | \$4.78 |
| Hand Spreader | \$100.00 | 3 | 30 | \$1.09 | \$0.67 | \$1.76 |
| ¾-ton used Truck | \$10,000.00 | 10 | 175 | \$8.61 | \$3.43 | \$12.04 |
| Hand tools/Misc. | \$3,500.00 | 10 | 300 | \$1.87 | \$0.33 | \$2.20 |
| Trailer | \$2,500.00 | 20 | 40 | \$7.07 | \$3.13 | \$10.20 |
| 42" Mower | \$1,500.00 | 10 | 150 | \$1.51 | \$1.36 | \$2.87 |

TABLE 11. INVESTMENT COSTS FOR A 10-ACRE BOG⁵

| | | | - Non-cash O | verhead (\$) | -Cash Ove | rhead (\$)- | |
|-----------------------|--------------------|------------------|--------------|--------------|---------------------|-------------|------------|
| Item Description | Investment Cost | Years of Life | Depreciation | Interest | Insurance and Taxes | Repairs | Total |
| Chemigation System | \$3,000.00 | 20 | 120.00 | 180.00 | 36.00 | 50.00 | \$386.00 |
| Pesticide Storage | \$3,500.00 | 20 | 175.00 | 175.00 | 35.00 | 50.00 | \$435.00 |
| Pump, 30hp, fit/pp | \$15,000.00 | 15 | 800.00 | 900.00 | 180.00 | 75.00 | \$1,955.00 |
| Pumphouse | \$3,500.00 | 20 | 175.00 | 175.00 | 35.00 | 50.00 | \$435.00 |
| Storage Building | \$12,960.00 | 20 | 648.00 | 648.00 | 129.60 | 130.00 | \$1,555.60 |
| TOTAL INVESTMENT | \$37,960.00 | | \$1,918.00 | \$2,078.00 | \$415.60 | \$355.00 | \$4,766.60 |

⁴ Fixed costs include depreciation, interest, taxes, and insurance. Variable costs include repairs, fuel, and lubrication. Total costs are the sum of fixed and variable costs.

Straight-line depreciation is calculated as (investment - salvage) \div (useful life). Interest on the average investment is (investment + salvage) \div 2 x 10% interest rate.

TABLE 12. PRICES FOR SELECTED INPUTS, SOUTHWEST WASHINGTON--1995

| ITEM | UNIT | PRICE (\$) |
|--|------|------------|
| FERTILIZERS | | |
| K ₂ SO ₄ 6-24-24 | LB | 0.145 |
| Urea 46-0-0 | LB | 0.126 |
| KMag 0-0-22 | LB | 0.098 |
| 0-46-0 | LB | 0.124 |
| 0-23-25 | LB | 0.141 |
| 3-18-18 | GAL | 4.45 |
| 21-0-0 | LB | 0.089 |
| PESTICIDES | | |
| Evital 5G | LB | 1.82 |
| Devrinol 10G | LB | 1.86 |
| Casoron 4G | LB | 1.36 |
| Kocide 101DF | LB | 2.10 |
| Bravo 720 | PT | 2.125 |
| Orthene 75WP | LB | 9.45 |
| Guthion 50WP | LB | 7.35 |
| Round-Up | GAL | 79.90 |
| VINES | | |
| Hybrid Vines | LB | 1.00 |
| CUSTOM | | |
| Stump removal | ACRE | 4000.00 |
| Level | ACRE | 1000.00 |
| Tractor/Drag rental | ACRE | 80.00 |
| Soils Tests | EACH | 35.00 |
| Sand Application | ACRE | 1000.00 |
| Prune cranberry vines | ACRE | 50.00 |
| Crib Ditch | ACRE | 4500.00 |
| Build Pond | ACRE | 500.00 |
| Build Dike | ACRE | 1000.00 |
| Tractor/Spray rental | ACRE | 50.00 |
| Tractor/Disc rental | ACRE | 80.00 |

TABLE 12. PRICES --1995 (continued)

| ITEM | UNIT | PRICE (\$) |
|--------------------------------------|------|------------|
| CUSTOM (continued) | | |
| Bee hives (Pollination) | EACH | 35.00 |
| Leaf Analysis | ACRE | 30.00 |
| Haul harvest (wet) | CWT | 0.25 |
| LABOR | | |
| Hand Labor | HOUR | 9.50 |
| Machine/Harvest labor | HOUR | 12.50 |
| Irrigation Labor | HOUR | 9.50 |
| OTHER | | |
| Irrigation usage charge | ACRE | 58.00 |
| Irrigation electricity charge | ACRE | 35.00 |
| Land taxes | ACRE | 20.63 |
| Land costs (10% return on purchase) | ACRE | 275.00 |
| Investment (Equip/Bldg) depreciation | ACRE | 191.80 |
| Investment (Equip/Bldg) interest | ACRE | 207.80 |
| Investment insurance/taxes | ACRE | 41.56 |
| Investment repairs | ACRE | 35.50 |

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