EBB4HRS19

2019 Costs and Returns Estima



Eastern Idaho
Hard Red Spring Wheat
Ben EbornTerrell Sorensen and Jon Hogge

Introduction





Planner program and is automatically calculated using the information from Table 4, taking into account thehours used and the number of acres for each piece of mahinery. To keep machinery prices current between years in whicha comprehensive survey is coducted, machinery prices are adjusted $\mu \bullet] v P \quad h \land \quad [\bullet \quad \& \quad \text{CE u} \quad D \quad Z] v \quad \text{CE } C \quad \text{W CE}] \quad \bullet \quad \text{W} \quad] \quad / v \quad \not = X \\ \text{Equipment prices are collected approximately every five years.}$

The University of Idaho uses the budget generator program *Budget Planner* from the University of CaliforniaDavis to produce the various tables shown in this publication. Machinery operating and ownership costs are calculated based on engineering equations in this proggn. Machinery operating costs include fuel, lubricants and repairs.

Laborand Management

The cost of labor used in this study includes a base wage, plus a percentage to account for various % Ç CE } o o š Æ • ~ & / U ^ h d ~ & h d • U v Á } CE I u v [• compensation, a well as benefits such as paid vacation/personal leave days, health insuranaend bonuses. Labor is classified by the type of work performed. Labor classifications, labor rates and payroll overhead are shown below.

Labor Values

Labor			Effective
Class	Rate	Overhead	Rate
General Farm	\$14.00	15%	\$17.55
Labor			

Truck Divers2 11.0





per acre for each input, a total cost is given for each The practices and chemicals specified in the category. Table also gives actal of all operating, publication are not recommediations. Always read ownership and total costs per acre, as well as theseand follow the directions printed on the pesticide same categories on a yield basis (per bushel, cwt,label. Due to constarty changing pesticide laws ton, etc.).

and labels, some pesticides may have been cancelled or had certain uses prohibited. The use of

Table 2 has most of the same cost information trade names for various products sinfights

presented in Table 1 but the data is organized by presentation of this material and should not be operation for both pre-harvest and harvest costs. considered an endorsement or is any critism. Operations can define a single activity, such as seed implied of similar products not mentioned. hauling, or multiple activities as in the case of tillage. The quantity of baor is shown for each operation. The cash costs per acre for labor, machinery osts, materials and custom are also specified. Cash overhead expenses are listed separately as are the negresh overhead.

<u>Table 3</u> is a monthly cash flow of expenses based on when the operation occurs and when inputs are applied. Field operations are challed as pre harvest, harvest and postarvest.

<u>Table 4</u>lists the equipment used to produce this crop and the costs per hour to operate this equipment. Total annual hours of tise for the current crop and for all crops on the farm is also shown.

<u>Table5</u> lists the puchase price and salvage value of equipment used to produce this crop, as well annual capital recovery and cash overhead expenses.

<u>Table 6</u> provides a ranging allysis, sometime referred to as a sensitivity analysist shows how the costs and returns per are will vary as the yield and/or price ranges above and below the base values from Table 1.

Authors

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Disclaimer





	Qurtity/ Acre	Unit	Pricecr Cost/Unit	Valueor Cost/Acre	Your Cost
CASHOVERI-FADCOSIS					
Geneal Overhead				1000	
LadRet				21000	
MangenertFee				3500	
Property Taxes				000	
Populy Incurre				149	
Investment Repris				000	
TOTAL CASHOVER FADCOSIS/ACRE				25649	
TOTAL CASHOVER+FADCOSTS/BU				233	
TOTAL CASHCOSIS/ACRE				6365	
TOTAL CASHCOSTS/BU				612	
NETRETURNS ABOVE CASHCOSTS				-151.15	
NON-CASHOVERHEADCOSIS (Capital Recovery)					
Eqipnet				6027	
TOTAL NON CASHOVERHEAD COSTS/ACRE				6027	
TOTAL NON CASHOVERHEAD COSTS/BU				055	
TOTAL COST/ACRE				73392	
TOTAL COST/BU				667	
NETRETURNS ABOVE TOTAL COST				-21192	

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TABLE 3 MONIHLY COSTS PER ACRE TO PRODUCE HARDRED SPRING WHEAT

	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JL	AUG	Total
	14	14	14	15	15	15	15	15	15	15	15	
Petervest:												
Inigtion	566							1415	1981	1698		5660
Tillage	1831											1831
Applying Fertilizer						7510						7510
SeedHading							1.17					1.17
RdlerHanow&Plant							3942					3942
Cicplinuare							2000					2000
InigationWaterAssessment							1900					1900
Inigation Repairs							11.00					11.00
Applying Resticides								2821	2055			4876
Fetigation										254 0		2540
General PickupUse	323	323	323	323	323	323	323	323	323	323	323	3548
4WhelerUse	009	009	009	009	009	009	009	009	009	009	009	095
Service Truck Use	009	009	009	009	009	009	009	009	009	009	009	097
Fud TruckUse	009	009	009	009	009	009	009	009	009	009	009	098
TOTAL HREHARVEST COSTS	27.46	349	349	349	349	7859	9408	4585	4385	4587	349	35313

Harvest:

ANNUAL EQUIPMENT COSTS

					CashOve	heed	
		Yıs	Salvage	Capital	Insur		
r Description	Price	Life	Value	Recovery	ance	Taxes	Total
4 wheeler	600000	10	1,50000	73456	1875	000	75831
5 GrainDrill - 24	390000	8	880566	560208	11951	000	5721.59
5 Pickup 1 - 3/4 ton	42,00000	5	1375000	7,771.98	13938	000	7,911.36
6 Hdup2-34ton	42,00000	5	1375000	7,771.98	13938	000	7,911.36
6 Rdlerhanow-24	5990000	12	829654	697070	17049	000	7,141,19
5 Tiador 16thp	13500000	25	11,41665	11,13765	33604	000	11,50369
5 Tiurk IP 10 Wheder	970000	20	400000	88870	25250	000	9131.20
Spayer 50200gd.	550000	15	52804	57295	1507	000	58802
i Tiadar 2-200hp	162,00000	20	2078646	1447476	45697	000	14931.72
Service Truck	41,00000	20	300000	372008	11000	000	383003
5 DiskRipper-17	6430000	8	1451805	923625	197.05	000	943330
6 RIThador-34thp	32700000	20	41,957.86	2921756	92239	000	3013996
5 Pickup 3-3/4km Î	42,00000	10	900000	5251.81	12750	000	537931
6 Pidap4-34km	42,00000	10	900000	5251.81	12750	000	537931
5 Pidup5-3/4km	42,00000	10	900000	5251.81	12750	000	537931
i Fuel Tuck	51,00000	20	300000	46570	13500	000	478070
6 Conhine25Grain	3500000	10	6601078	4442268	1,04005	000	45/46273
TOTAL	1,547,70000	-	23833005	170,91302	446508	000	17537809
90% of New Cost*	139298000	-	214497.05	153821.72	401857	000	15781028

^{*}Usedtoreflectanixcfrewardusedeq.ipnert

ANNUAL INVESIMENT COSTS

					CashOverhead			
Description	Price	Yıs Life	Salvage Value	Capital Recovery	Insur ance	Taxes	Repris	Total
INVESIMENT								
TOTALINVESIMENT	000	-	000	000	000	000	000	000

ANNUAL BUSINESS OVERHEAD COSTS

	Urits/		Price/	Total
Description	Fam	Urit	Urit	Cost
General Overhead	1600	ane	1000	1600000
LandRet	1600	age	21000	33600000
MangmentFee	1600	age	3500	5600000
