

**U.P. COUNCIL OF SUGARCANE RESEARCH, SHAHJAHANPUR**  
**Cost of cultivation/ production of sugarcane in U.P. Crushing Season**  
**(2021-2022)**

S. N.	Particulars	2021-22	
		Plant	Ratoon
1.	<b>Field preparation</b> Disc Ploughing – 3 hrs Harrow – 2 - 5 hrs Cultivator – 2 - 4 hrs Pata – 4 - 2 hrs <u>14 hrs</u> Labour – 2	9450 490 <b>9940</b>	- - - -
2.	<b>Seed and preparation</b> Seed – 70 qtl. Harvesting – 12 labour Sett cutting – 8 labour Seed transportation – 1 hr	28000 2940 1960 <u>675</u> <b>33575</b>	- - - -
3.	<b>Planting</b> Seed treatment – 112g bavistin Labour – 2 Furrow opening – 2 hrs Sett placing – 8 labour Sett covering with soil 4 labour	58 490 1350 1960 <u>980</u> <b>4838</b>	- - - -
4.	<b>Ratoon preparation</b> Irrigation (15 hrs) Trash Mulching –12 lab. irrigation – 2 lab., dismantling + stubble shaving – 16 labour, gap filling – 4 labour, line hoeing – 12 labour = 46 labour Seed cane for gap filling- 5q	- - -	3750 11270 <u>2000</u> <b>17020</b>
5.	<b>Irrigation –</b> 6+1 (pre-sowing) and 5 (15 hrs/ irrigation) Labour – 14 and 10	26250 <u>3430</u> <b>29680</b>	18750 <u>2450</u> <b>21200</b>
6.	<b>Manure, fertilizer &amp; application</b> <b>Plant – FYM @ 100 q/t</b> Transportation FYM -2 hr Spreading -4 lab.  NPK – 250 Kg Urea – 374 kg MOP – 34 kg Zinc sulphate –25 kg <b>Ratoon –</b> NPK -250 kg Urea -450 kg MOP -34 kg Transportation (3/4 hr. ½ hr.)	7500 1350 980  5875 2109 612 2125 - - - 506	- - - - - - - - - 5875 2538 612 337

	Labour – 3	<u>735</u> <b>21792</b>	<u>735</u> <b>10097</b>
7.	<b>Plant protection</b> Fipronil GR 0.3% – 20 kg Labour – 1 Chlorantraniliprole 18.5 S.C. 0.375 lit. Labour- 1 Profenofos + Cypermethrin 44% @ 1.0 lit./ h2 times (2.0 lit.) Labour – 2	1720 245 4439 245 1260 <u>490</u> <b>8899</b>	- - 4439 245 1260 <u>490</u> <b>6934</b>
8.	<b>Interculture operation</b> Hoeing with kassi – 2 @ 25 labour/ hoeing Earthing –2/1 @ 30 labour Binding – 3/2 @ 20 labour/ binding	12250 14700 <u>14700</u> <b>41650</b>	12250 7350 <u>9800</u> <b>29400</b>
9.	<b>Harvesting @ 40/q</b>	32,000	30,000
10.	<b>Supervision</b>	25,000	25,000
<b>Cost of cultivation Rs/ha</b>		<b>2,07,374</b>	<b>1,39,651</b>
11.	<b>Overhead charges</b> i) Rental value of land ii) Loading & Transportation @ Rs 16.50 iii) Depreciation on machines iv) Interest on working capital @ 12% for 6 months	42000 13200 2073 <u>12442</u> <b>69715</b>	42000 12375 1376 <u>8379</u> <b>64130</b>
<b>Cost of production Rs./ha</b>		<b>2,77,089</b>	<b>2,03,781</b>
<b>Average yield q/ha</b>		<b>800</b>	<b>750</b>
<b>Cost of production Rs./q</b>		<b>346.36</b>	<b>271.70</b>
<b>Average cost of production</b>		<b>2,40,435</b>	
<b>Average yield q/ha</b>		<b>775</b>	
<b>Cost of production Rs/q</b>		<b>310.00</b>	

### Rates

Sugarcane (seed)	Rs 400/ q	Zinc Sulphate	Rs. 85/kg
Tractor	Rs.675/ hr	Carbendazim	Rs. 520/kg
Labour	Rs.245/ day	Fipronil	Rs 86/ kg
One pair bullock	Rs. 450/day	Chlorantraniliprole	Rs 13170/lit.
FYM	Rs 75/q	Irrigation	Rs. 250/ hr
Urea	Rs. 564 /q	Profenofos+	
NPK	Rs. 2350/q	Cypermethrin 44%	Rs. 630/ lit.
MOP	Rs. 1800/q		