

Region 02
SUPPLY CHAIN COST STRUCTURE AND TRAVEL TIME
COMMODITY: RICE
MUNICIPALITY: CLAVERIAI, CAGAYAN
AVERAGE YIELD PER HA.: Hybrid - 5.5 MT
CURRENT PRICE PER KILO: Dry - P11.20

COST ELEMENT	TECHNOLOGY RECOMMENDATION	ACTUAL PRACTICE	UNIT PRICE	TOTAL COST (P)	COST PER KILO (P)
PRODUCTION					
Seeds					
Hybrid	20 kgs	3 packs @ 15 kgs	750.00	2,250	0.41
Inbred	40 kgs	40 kgs	880.00		
Bio-N (Hybrid;Inbred)	2 packs; 4 packs				
Muriate of Potash	6 kgs.				
Bactericide					
Fertilizer					
14-14-14	3 bags	3 bags	735.00	2,205	0.40
Urea	4 bags	2.5 bags	920.00	2,300	0.42
16-20-0					-
Organic fertilizer	7 bags	8 bags	225.00	1,800	0.33
Pesticide					-
Molluscicide	1 liter	1 liter	1,000.00	1,000	0.18
Herbicide	1 liter	1 liter	1,500.00	1,500	0.27
Insecticide	1 liter	1 liter	580.00	580	0.11
Fungicide	1 liter				-
Zinc Phospide					-
Labor					-
Seedbed preparation/construction	2 MAD	2 MAD	450.00	900	0.16
Sowing	0.5 MD	0.5 MD	150.00	150	0.03
Cleaning/repairing of dikes	2 MD	2 MD	150.00	300	0.05
Land preparation		contract	5,000.00	5,000	0.91
Plowing					-
First Harrowing					-
Second Harrowing					-
Final Harrowing					-
Fertilizer Application (basal)	2 MD	3 MD	150.00	450	0.08
Pulling of seedlings	12 MD	10 MD	150.00	1,500	0.27
Transplanting		contract	3,000.00	3,000	0.55
Spot weeding	5 MD	6 MD	150.00	900	0.16
Spraying (5x)	3 MD	4 MD	150.00	600	0.11
Fertilizer Application					-
1st topdressing	1 MD	2 MD	150.00	300	0.05
2nd topdressing	1 MD	2 MD	150.00	300	0.05
Harvesting		6% of fresh harvest		3,036	0.55
Threshing		6% of fresh harvest		3,036	0.55
Hauling (Home to MPDP)		P5.00/cav		550	0.10
Drying		6 MD	150.00	900	0.16
Sacks		P8.00/pc		880	0.16
Transport Cost (farm to trader)		P10.00/cav		1,100	0.20

COST ELEMENT	TECHNOLOGY RECOMMENDATION	ACTUAL PRACTICE	UNIT PRICE	TOTAL COST (P)	COST PER KILO (P)
Irrigation fee		P1000.00 per cropping		1,000	0.18
Interest on Capital		18%/cropping		4,506	0.82
Post harvest Loss					-
PRODUCTION LEVEL				40,043	7.28
FARMGATE PRICE					11.20
MARGIN					3.92

POST-PRODUCTION					
Hauling		P10.00/bag		1,045	0.20
Transport		P10.00/bag		1,045	0.20
Milling		P1.80/kg		9,405	1.80
Post harvest Loss					-
POST-PRODUCTION LEVEL					2.20
MILLER'S PRICE TO TRADER					13.60
TRADER'S MARGIN					0.20
DISTRIBUTION					
Hauling (2 moves)		P2.00/move/bag		272	0.08
Transport (Claveria to Manila)		P2.00/kg		6,793	2.00
DISTRIBUTION LEVEL					2.08
RETAILER'S PRICE TO MILLER					17.68
MILLER'S MARGIN					2.00
CONSUMER LEVEL					21.50
WHOLESALER/RETAILER'S MARGIN					3.82

Note:

- Average yield per hectare is the fresh weight after harvest.
- Labor costs (MAD & MD) include snacks.

Assumptions:

- Millers sell rice to Metro Manila
- Weight loss due to drying is 5%.
- Milling recovery is 65%
- MC of freshly harvested palay is 18% while MC of palay to be milled is 14%.