

Items	Unit of Measurement	Price per unit	Quantity	Cost	Data Sources	Reference	Comments
Cost						Green : Categories and figures to edit Red : Calculation not to be edited Blue : Compulsory source of data	
Labor: Additional workforce required for practices like crop rotation, intercropping, or conservation agriculture.		\$ -	0	\$ -			
Equipment: Costs for producing AWD tube (\$ AWD tubes/ha)	cost/ha	\$ 10,00	5	\$ 50,00	Field experience	5 AWD units required per hectare (Units/2000m ²). The cost here is for producing/fabrication of the AWD pipe	
Training cost: Costs associated with training farm personnel on the use of AWD.		\$ 10,00	1	\$ 10,00	Field experience		
				\$ -			
				\$ -			
Total cost				\$ 60,00			
Revenue							
Increased Production: Higher crop yields resulting from the use of AWD practice	t/ha	\$ 350,00	0,1	\$ 35,00	AWD gives limited yield increase (about 10%)but saves water reduce GHG emission	Wudil, A. H., Ali, A., Mushtaq, K., Balg, S. A., Radulescu, M., Prus, P., Usman, M., & Vasa, L. (2023). Water Use Efficiency and Productivity of Irrigated Rice Cultivation in Nigeria: An Application of the Stochastic Frontier Approach. <i>Sustainability</i> , 15 (10), 7824. https://doi.org/10.3390/su15107824	This is based on 1 hectare; With an average of 500USD per tonne of rice paddy, giving a 10% increased due to use of AWD bring price per tonne to 550USD/tonne. With average yield of 5t/ha (Total revenue, increase due to intervention will be 50 x 5 = 250USD/ha
Cost Savings: Decreased need for water, and chemical fertilizers due to improved water and nutrient use efficiency	cost/ha	\$ 50,00	1	\$ 50,00	This is a reasonable estimate of cost of water saving per hectare	Bouman, B. A. M., & Tuong, T. P. (2003). Field water management to save water and increase its productivity in irrigated lowland rice. <i>Agricultural Water Management</i> , 59 (1), 11–30. https://doi.org/10.1016/j.agwat.2003.09.002	Average input per hectare is 500USD. Save about 10% which translates to 50USD/ha
				\$ -			
				\$ -			
Total revenue				\$ 85,00			
BCA				141,67%			
ROI				41,67%			