Initial settings: Installation of a water irrigation system is needed to replace an open channel conveyance.

1. Irrigation pipeline installed

D.1 (+) Infrastructure and operational costs
D.2 (+) Water availability for irrigation
D.3 (-) Infiltration and evaporation losses
D.4 (-) Erosion associated with practice
D.5 (+) Erosion associated with underground installation

Critical Area Planting (342)

C.1 (+/-) Income stability (individuals and community)
C.2 (+/-) Aquatic health for humans, domestic and wild animals
C.3 (+/-) Stream fauna (e.g., fish, invertebrates)
C.4 (+/-) Environmental quality
C.5 (+/-) Aquatic health for humans, domestic and wild animals
C.6 (+/-) Stream fauna (e.g., fish, invertebrates)
C.7 (+/-) Environmental quality
C.8 (+/-) Aquatic health for humans, domestic and wild animals
C.9 (+/-) Stream fauna (e.g., fish, invertebrates)
C.10 (+/-) Environmental quality

I.1 (+) Agribusiness
I.2 (+) Cost to farmer
I.3 (+) Net return
I.4 (+) Economic benefit to farmer
I.5 (+) Plant growth and productivity
I.6 (-) Leaching of nutrients
I.7 (+) Meeting water quality standards
I.8 (-) Artificial wetlands, seeps possible
I.9 (-) Biodiversity and wildlife habitat possible
I.10 (-) Sediment delivery to surface waters
I.11 (-) Leaching of nutrients
I.12 (-) Erosion associated with practice
I.13 (-) Sediment delivery to surface waters

D.1 (+) Infrastructure and operational costs
D.2 (+) Water availability for irrigation
D.3 (-) Infiltration and evaporation losses
D.4 (-) Erosion associated with practice
D.5 (+) Erosion associated with underground installation

Legend:
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Notes:
Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.