

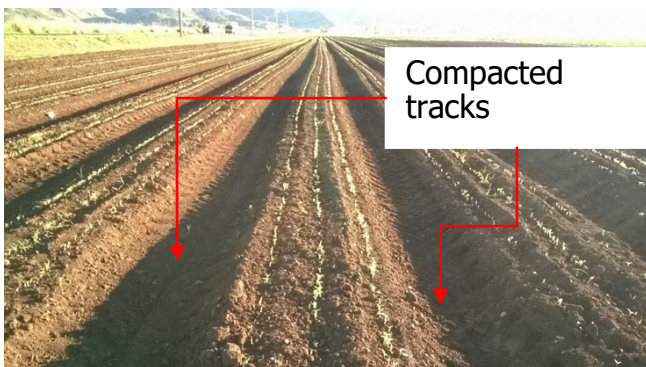
# FACT SHEET: MECHANIZATION I

N°17

Sugar research capacity building and provision of adequate supplies of good quality seed cane project is funded by the European Union

## BEDFORMER

- Bed former is used for preparing raised beds for planting cane



## ADVANTAGES OF RAISED BED

- Controlled traffic - same track that gets compacted will be used for all movement (tractors, harvesters and trucks)
- Allows for green manuring planting to improve soil health
- Reduces cost for plough-out and replanting as the raised beds only have to be prepared

## DISADVANTAGES OF RAISED BED

- Stool tipping
- Diff / sump of haulage lorries scrapes the raised beds when loaded



Implement for ploughing out and preparing the raised beds only



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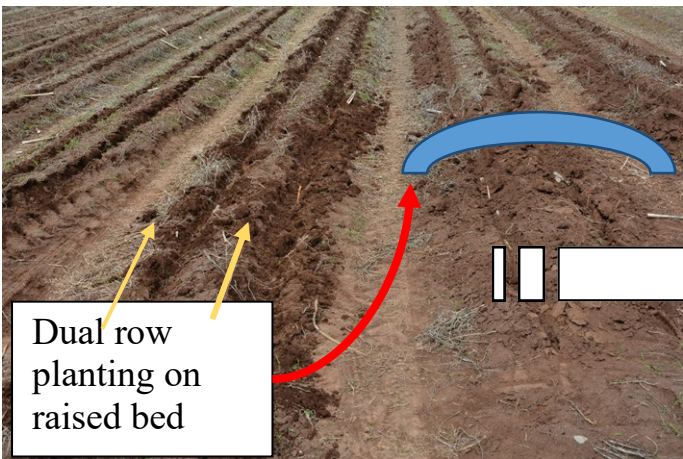


This project is implemented by the Sugar Research Institute of Fiji

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## DUAL ROW PLANTING ON RAISED BED



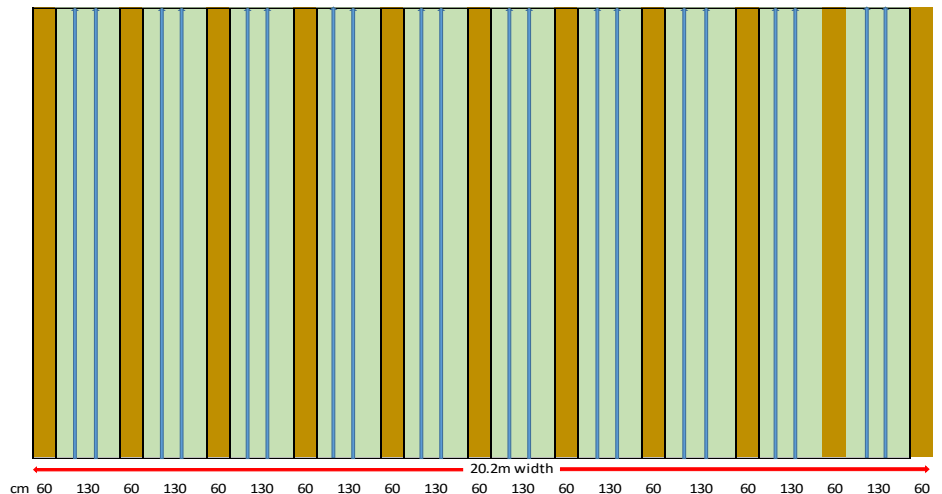
### ADVANTAGES

- Gives more running metres/ acre or hectare
- Facilitates controlled traffic
- Reduction in cost of land preparation when ploughing out

### DIS-ADVANTAGES

- Stool tipping likely that can create gaps in ratoons
- Raised beds can be problem for haul out truck

Dual row layout



	length (m)	No of rows	Running metres/ac
Dual row			
roadways 11 x 60cm	720		
raised bed 10 x 130cm	1300		
	2020		
Single row (1.37m)			
20.2	200m	15	3000m

20.2 m by 1.37m row spacing = 15 rows

In dual row planting you get 25% additional row length from the same area

.....dual row planting, an opportunity for the future.....