

Summary of Results

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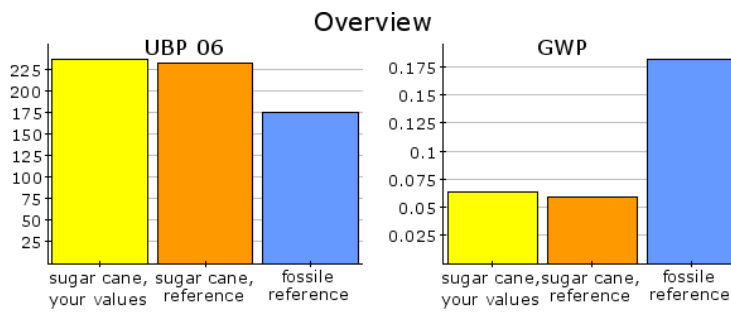
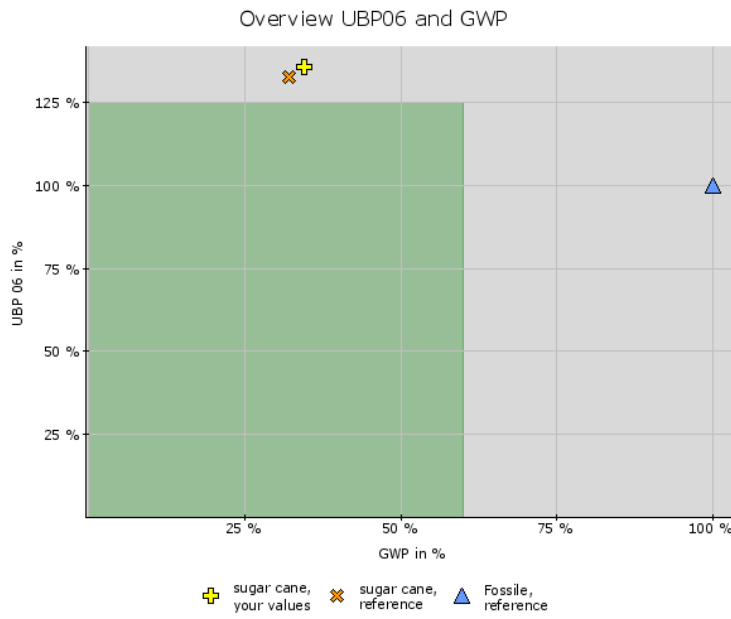
3.1 Cultivation

3.2 Processing

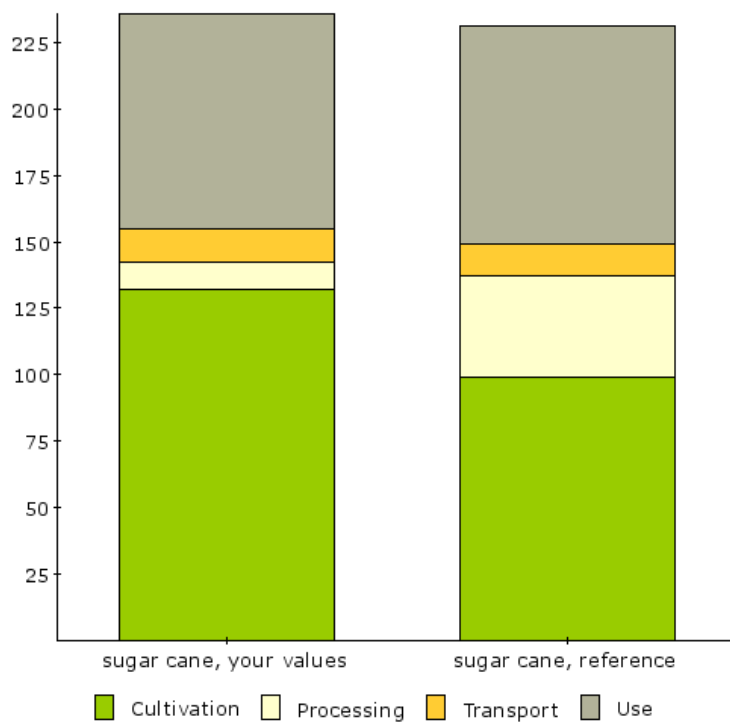
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1. Result Overview

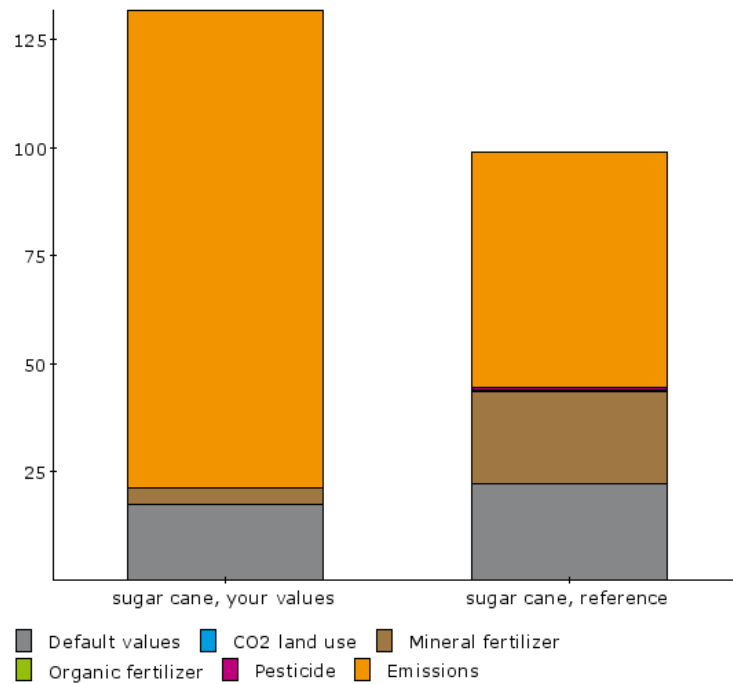


2. Results UBP



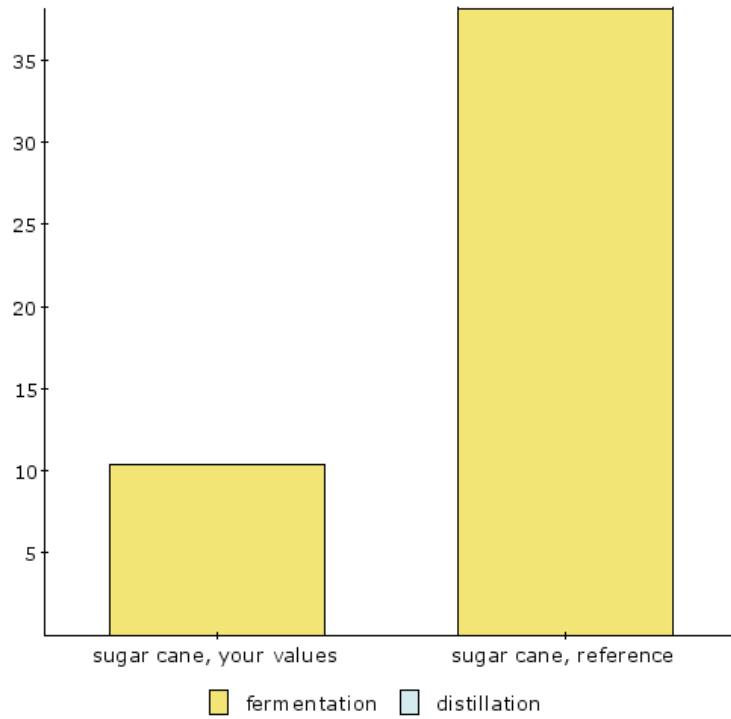
	sugar cane, your values	sugar cane, reference
Cultivation	132.17	98.92
Processing	10.35	38.27
Transport	12.19	12.19
Use	82.03	82.03
total	236.75	231.41

2.1 Cultivation



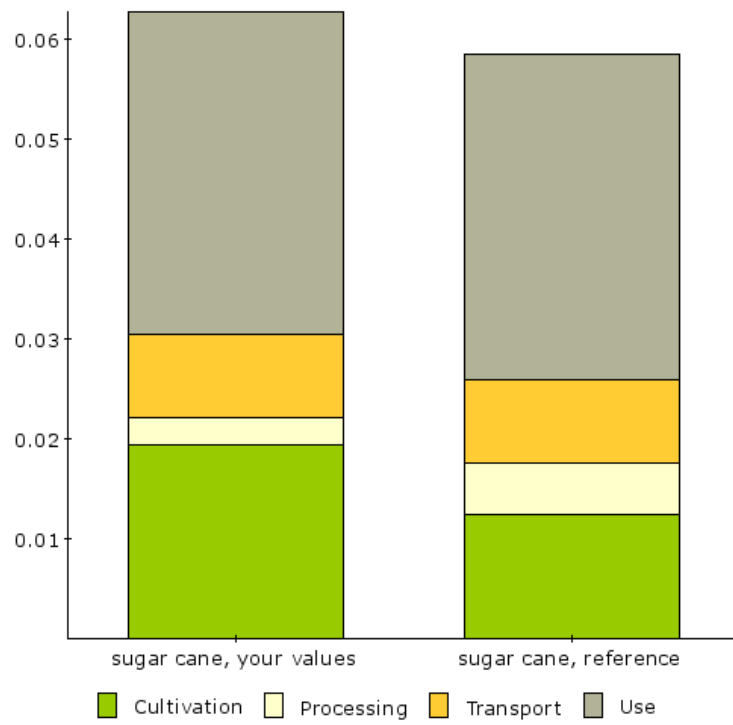
	sugar cane, your values	sugar cane, reference
Default values	17.36	22.08
CO2 land use	0.00	0.00
Mineral fertilizer	3.93	21.27
Organic fertilizer	0.00	0.52
Pesticides	0.01	0.56
Emissions	110.87	54.49
total	132.17	98.92

2.2 Processing



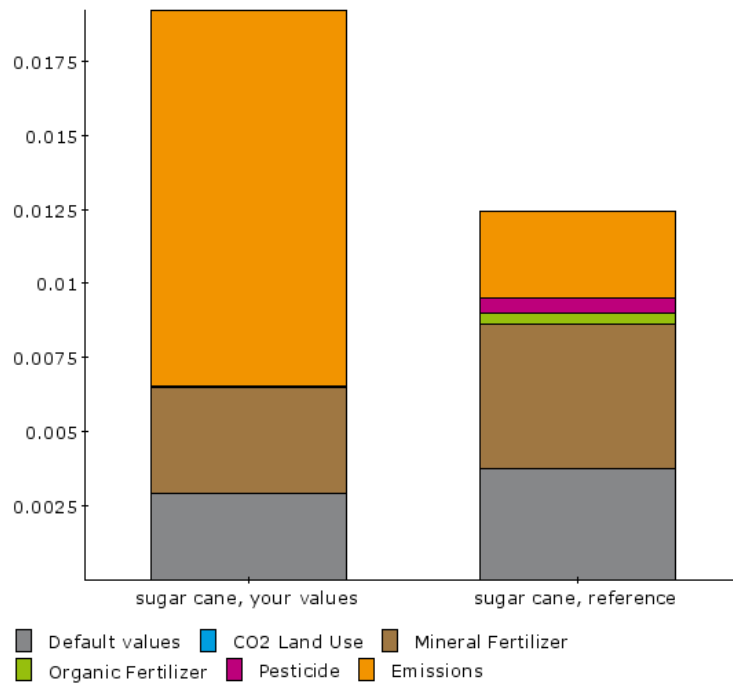
	sugar cane, your values	sugar cane, reference
fermentation	10.35	38.14
distillation	0.00	0.13
total	10.35	38.27

3. Results GWP



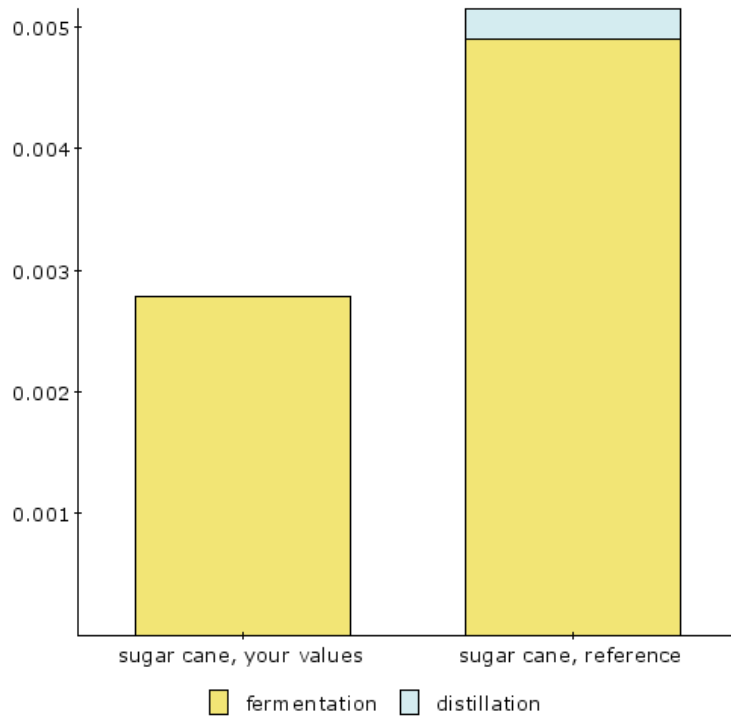
	sugar cane, your values	sugar cane, reference
Cultivation	0.019	0.012
Processing	0.003	0.005
Transport	0.008	0.008
Use	0.033	0.033
total	0.063	0.059

3.1 Cultivation



	sugar cane, your values	sugar cane, reference
Default values	0.003	0.004
CO2 Land Use	0.000	0.000
Mineral Fertilizer	0.004	0.005
Organic Fertilizer	0.000	0.000
Pesticides	0.000	0.001
Emissions	0.013	0.003
total	0.019	0.012

3.2 Processing



	sugar cane, your values	sugar cane, reference
fermentation	0.003	0.005
distillation	0.000	0.000
total	0.003	0.005

4. User Input

Basic Data

Field	Value
Crop Type	sugar cane
Processing Type	fermentation->distillation
Country	Colombia
Number of Providers	1

Processing Data

Process 1: fermentation

Field	Amount	Unit
Crop Input	52.64	kg
Grid electricity: default	1.58E-01	kWh
Fossil energy		
No fossil energy used		
Renewable energy		
biomass (residues, plants, etc.)	1.3	kg/kg
Chemicals		
lime	0.043	kg/kg
sulphuric acid	0.02	kg/kg
chemicals organic	0.02	kg/kg
Main product		
Price	2136.6	kg
Co product	Price	Unit
1	1423.0	kg
2	1491.1	kg
3	96.0	kg
4	140.0	kg
5	80.0	kg

Process 2: distillation

Field	Amount	Unit
Crop Input	1	kg
Grid electricity: default	0	kWh
Fossil energy		
No fossil energy used		
Renewable energy		
No renewable energy used		
Chemicals		
No chemicals used		
Main product	Amount	Unit

Price

kg

Co product	Price	Unit	Amount	Unit
1	0	kg	1	kg/kg

Provider 1 Data

Land use data

Field	Provider 1	Unit	
Overall production	20000000	t/a	
Yield	111.5	t/ha	
Ecozone	Tropical moist deciduous	-	
Annual rainfall	1000	mm	
Winter type precipitation	No	-	
USDA soil order	Vertisol	-	
Mean slope	0	%	
Tillage method	Mulch tillage	-	
Annual irrigation	6600	m3	
Anti erosion practice	Up & down slope	-	
Conventional drainage	No	-	
Land use type	Acreage	Unit	Peat land
Cropland	100	%	No

Mineral fertilizer data

N fertilizer	Amount	Unit
urea, as N	145	kg/ha/a
diammonium phosphate, as N	1.4	kg/ha/a
ammonium sulphate, as N	18.55	kg/ha/a

P fertilizer	Amount	Unit
diammonium phosphate, as P2O5	3.55	kg/ha/a
ammonium nitrate phosphate, as P2O5	2.65	kg/ha/a
thomas meal, as P2O5	5.27	kg/ha/a

K fertilizer	Amount	Unit
potassium chloride, as K2O	0.64	kg/ha/a

Organic fertilizer data

Solid organic fertilizer	Amount	Unit
average solid manure	2.46	t/ha/a
hens (from deep pit)	0.01	t/ha/a

Field	Provider 1	Unit
Liquid organic fertilizer used	No	-

Pesticide data

Pesticide	Amount	Unit
Glyphosate	6.68E-03	kg/ha/a

Pesticide	Amount	Unit
Sulfur	1.47E-01	kg/ha/a
Atrazine	6.16E-03	kg/ha/a
Diuron	1.26E-02	kg/ha/a
2,4-D	2.42E-03	kg/ha/a

5. Disclaimer

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