Delta Framework

Delta Framework Sustainability Indicators

A common set of environmental, social, and economic indicators to measure sustainability at farm-level across cotton and coffee sectors

Environmental Indicators Top soil carbon content Use of highly hazardous pesticides Unit: kg active ingredient (a.i.) of highly hazardous pesticide Unit: grams of organic carbon per kg of soil per ha of harvested land 5 Fertiliser use by type Pesticide risk indicator Unit: kg a.i. per ha of harvested land Alternative: pesticide use by active ingredient kg per ha In future: nitrogen use efficiency 6 Forest, wetland and grassland converted 3 Water management (in irrigated farms) for cotton or coffee production 3.1 Quantity of water used for irrigation Unit: ha of forest, wetland or grassland converted to cotton Unit: mega litres per ha of harvested land or coffee production 3.1 Water use efficiency Unit: percentage of water used for the crop out of water withdrawn/ Greenhouse gas emissions diverted from its source Unit: kg CO, equivalent per kg cotton lint or GBE 3.3 Water crop productivity Unit: mega litres per tonnes of cotton lint or Green Bean Equivalent (GBE) **Economic Indicators** Average yield Price at farm gate Only for premium-based standards Unit: kg cotton lint or GBE per ha Unit: local currency/tonne of seed cotton per kg of GBE 9 Net average returns from cotton

Proportion of workers earning a legal minimum wage

Unit: dally average earnings for farm labour compared to (rural) minimum wage In US\$ or local currency

Social Indicators

12 Incidence of the worst forms of child labour

14 Women empowerment

Unit: number of children aged 5 to 17 years engaged in child labour, by sex and age

13 Incidence of forced labour

and coffee production

In future: Living Income

Unit: USD per ha seed cotton or GBE

Unit: number of people engaged In forced labour, by sex and age

Composite indicator

15 Number of fatalities and non-fatalities on the farm

Unit: number of Incidences per 1 million people

Units: GBE coffee Green Bean Equivalent; ha hectare; kg kilogram

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Federal Department of Economic Affairs, Education and Research EAER State Secretariat for Economic Affairs SECO