

PRIVATE SECTOR ENGAGEMENT IN CLIMATE SMART AGRICULTURE VALUE CHAINS

FINANCE

INVESTING IN CSA ACROSS SELECTED VALUE CHAINS

FICCF's CSA intervention is a private sector response specifically targeted at poverty reduction through the selection of commodities with innate climate resilience suitable for smallholder farming essential for Kenya's food security. Combining financial inclusion with a climate/weather lens and increased market linkages is at the heart of the innovation. The multi-layered model has been broken down into components, each of which can be independently implemented.



CLIMATE INFORMATION

DE-RISKING PRODUCTION WITH CLIMATE INFORMATION SERVICES

Downscaled seasonal weather advisories are delivered to actors along the value chain. The national forecast is downscaled to county level and analysed with agricultural specialists through participatory scenario planning to develop an agroweather advisory specific to crops and livestock.

3. SEASONAL AGRO-WEATHER ADVISORIES
Delivered to farmers through SMS, public radio, meetings and word of mouth



INSURANCE

DE-RISKING INVESTMENT WITH INSURANCE

Insurance de-risks investment in the sorghum, dairy and indigenous chicken value chains. Hybrid insurance for sorghum involved 2 types of cover: weather index and multi-peril, and was taken up by 160 farmers for 300 acres of sorghum in the first 2017 cropping season.

1. CROP INSURANCE: WEATHER INDEX

For the first 2017 sorghum crop season, insurance provided 90% cover for crop output value and covered 4 stages of production: drought at germination, vegetative and flowering stages and heavy rain at pre-harvest stage

2. CROP INSURANCE: MULTI-PERIL INDEMNITY

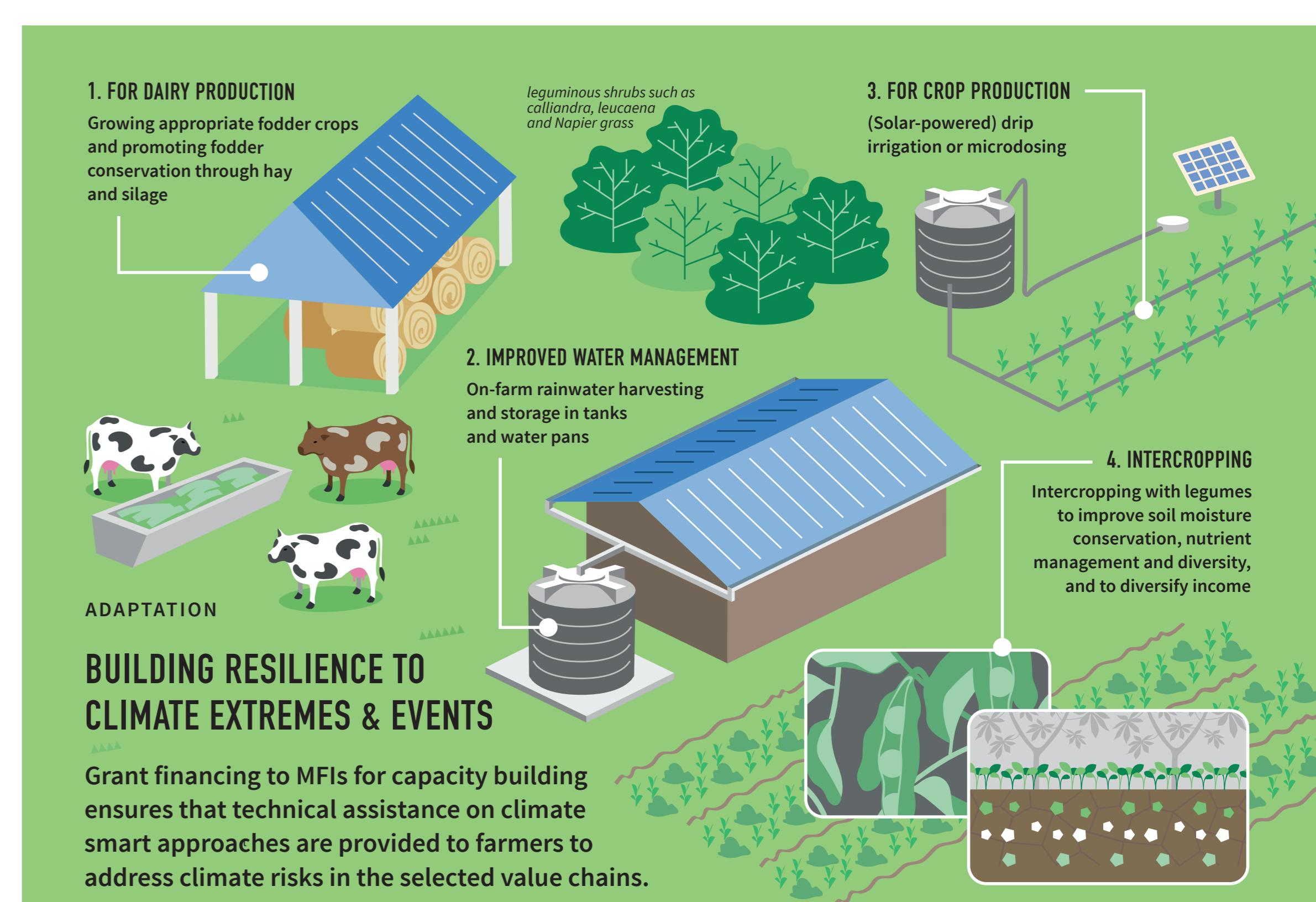
Provides cover for from excessive rain, hail, frost, fire, windstorm, pest and disease

3. LIVESTOCK INSURANCE: MORTALITY

Dairy insurance farmers took livestock mortality cover for all cows purchased. An insurance product for chickens is in development

4. LIVESTOCK INSURANCE: WEATHER INDEX

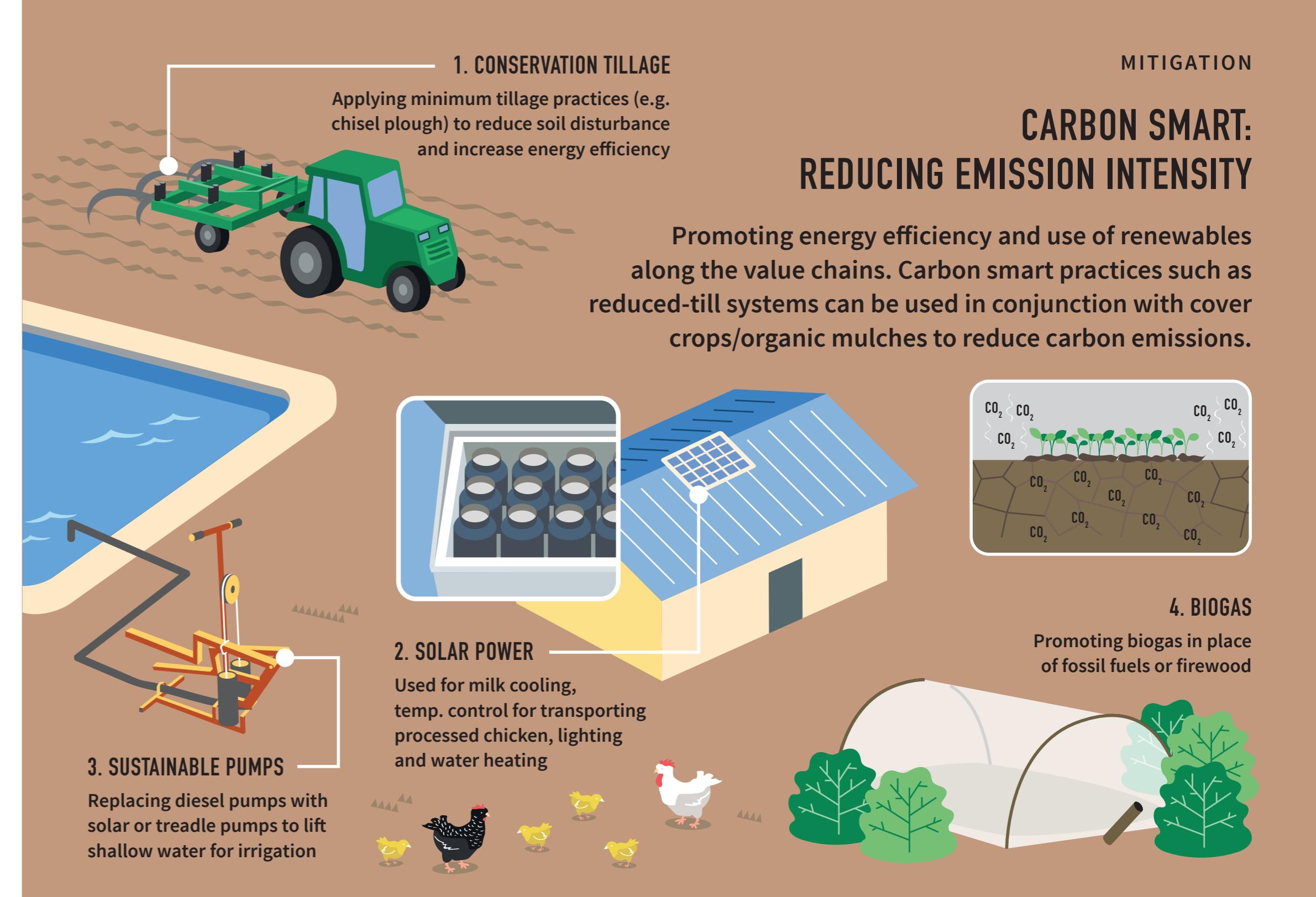
For all animals purchased through loan finance to protect livestock keepers from drought related asset losses. Data still being captured to develop dairy index cover



MITIGATION

CARBON SMART: REDUCING EMISSION INTENSITY

Promoting energy efficiency and use of renewables along the value chains. Carbon smart practices such as reduced-till systems can be used in conjunction with cover crops/organic mulches to reduce carbon emissions.



MITIGATION

NITROGEN SMART: REDUCING EMISSION INTENSITY

Promoting nitrogen smart practices improves soil fertility and reduces emission of nitrogen oxides from the soil.

Smallholders are encouraged to intercrop efficient nitrogen fixing legumes (green grams, soya) between rows of sorghum or cassava.

1. AGROFORESTRY

On-farm tree cover for sustainable land use

2. AGROBIODIVERSITY

Cash cropping, legumes, fodder trees

3. NUTRIENT MANAGEMENT

Farm-specific nutrient management and precise micro-dose fertiliser application