Feedbacks from the Field

ennos
INNOVATIVE SWISS TECHNOLOGY

SUNLIGHT PUMP
TURNS SUNRAYS INTO SAVINGS

What our distributors
have achieved in rural areas

Eco Tech Mali reports: Farmer increased their income by 60% after using the sunlight pump and agricultural advices.

EUCORD Rwanda reports: 62.5% yield increase from 4 to 6.5 ton/ha of maize production by irrigating with the sunlight pump.

Seagro Honduras reports: Farmers in the dry corridor region now can irrigate crops and generate income during the dry season.

Heliplast Chile reports: 6km solar pumping distance for sheep farmers in Patagonia.

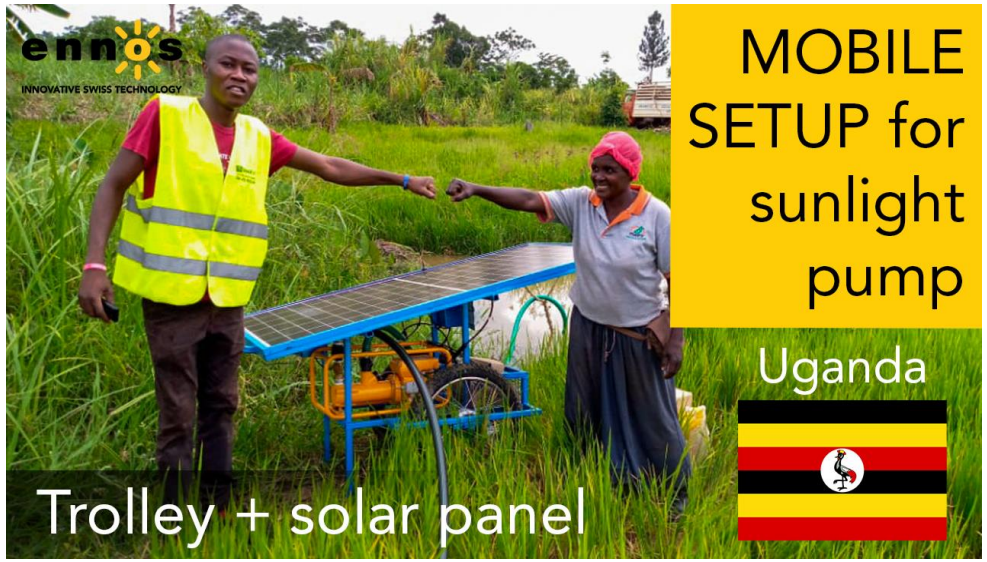
Feedbacks
from our end users

Mrs. Pilar Villamor, a **rural livestock breeder** in the department of Artigas, Uruguay.

Mr. Josué Monzon, a **tomato and chili producer** in the department of Alta Verapaz, Guatemala.

Videos of real-life use cases
from around the world

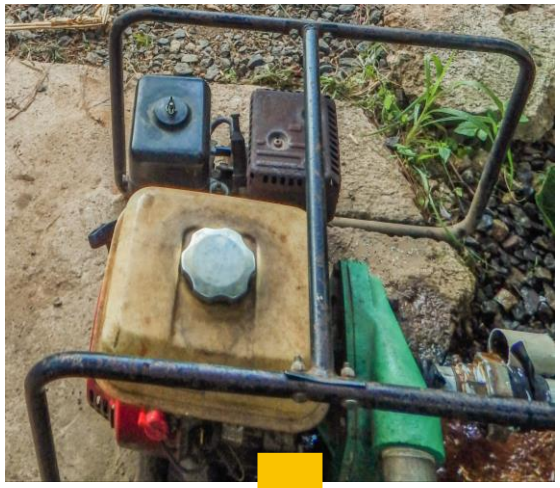
Uganda (En)



Costa Rica (Es)

Mali (Fr)

Specific case 1: 0.5 Hp sunlight pump at "Pyflor" farm in Honduras



"Pyflor" farm in Honduras has been using a 0.5 HP sunlight pump **instead of a gasoline pump** to circulate water with fertilizer in an hydroponic irrigation system since 2017.

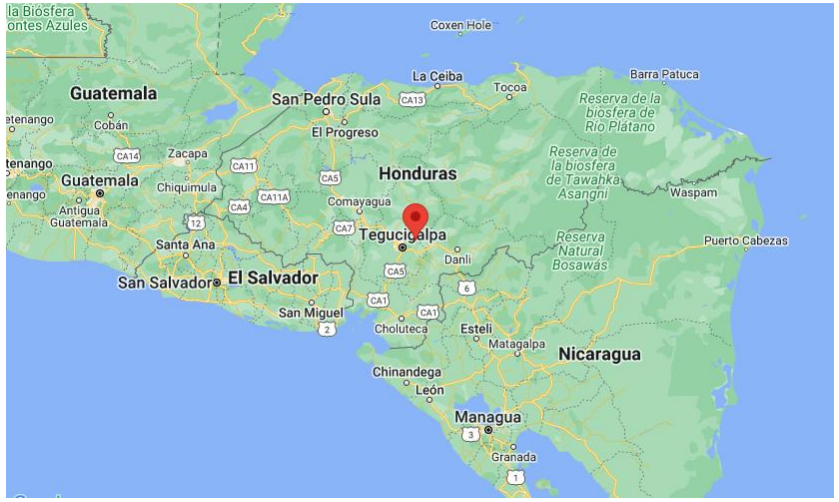
They then purchased 3 additional sunlight pumps for other uses and to replace other gasoline pumps on the farm.

Specific case 1: 0.5 Hp sunlight pump at "Pyflor" farm in Honduras

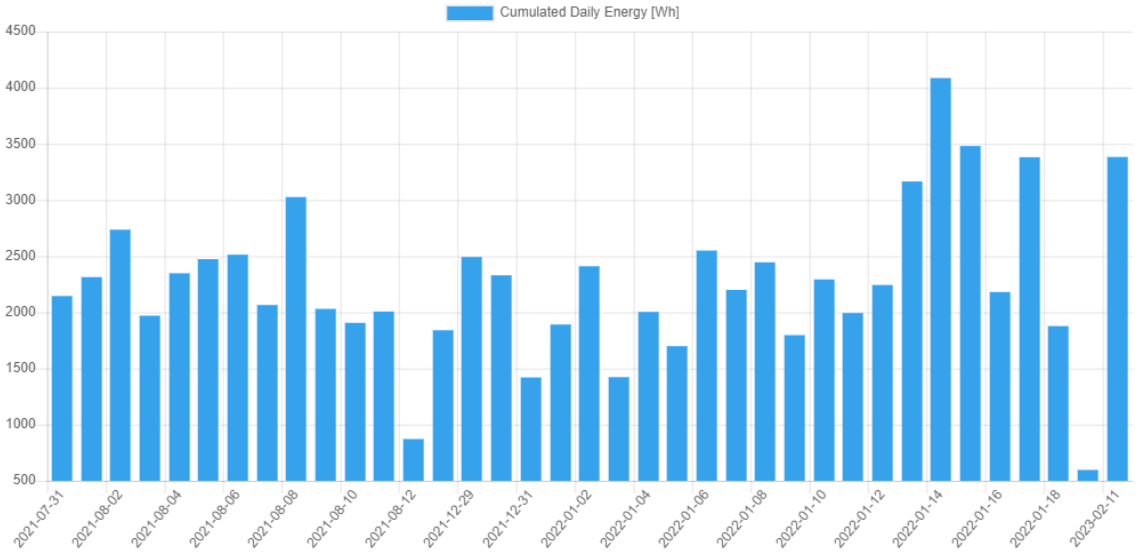
One sunlight pump bought in 2020 is used to lift water from a water source to several plastic water tanks, located above the greenhouses at **18m altitude difference** and 190m apart.

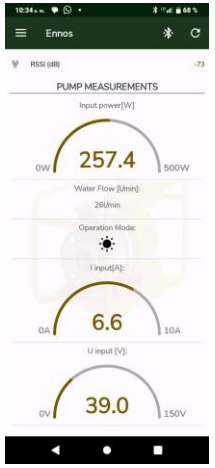
The water is then distributed to the greenhouses by gravity, feeding the drip and sprinkler systems.

Specific case 1: 0.5 Hp sunlight pump at "Pyflor" farm in Honduras



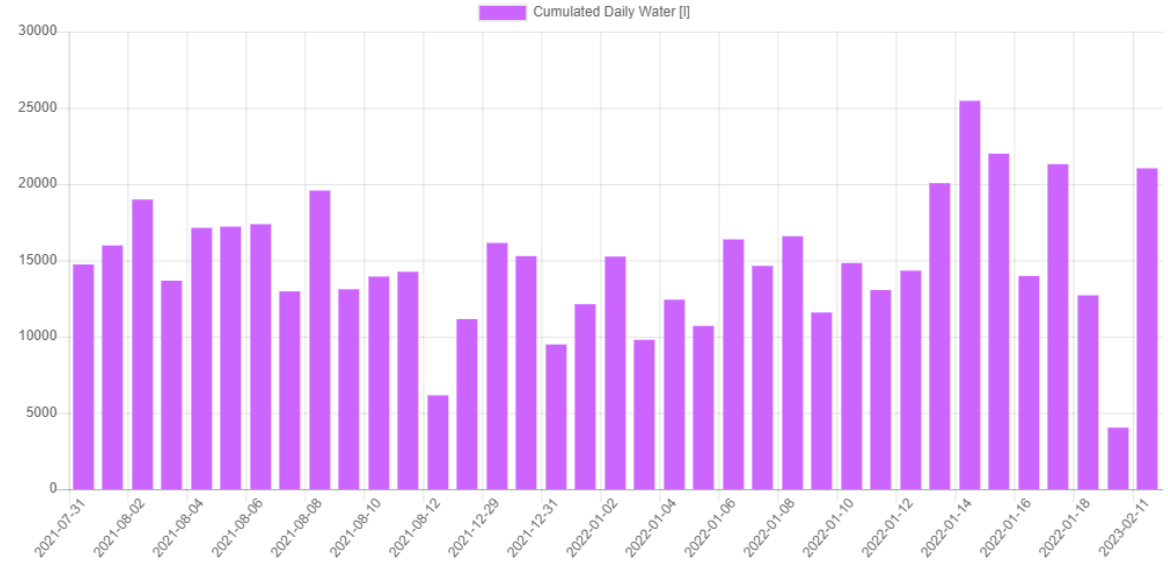
Total amout of energy received per day





Snapshot of current data from the sunlight pump

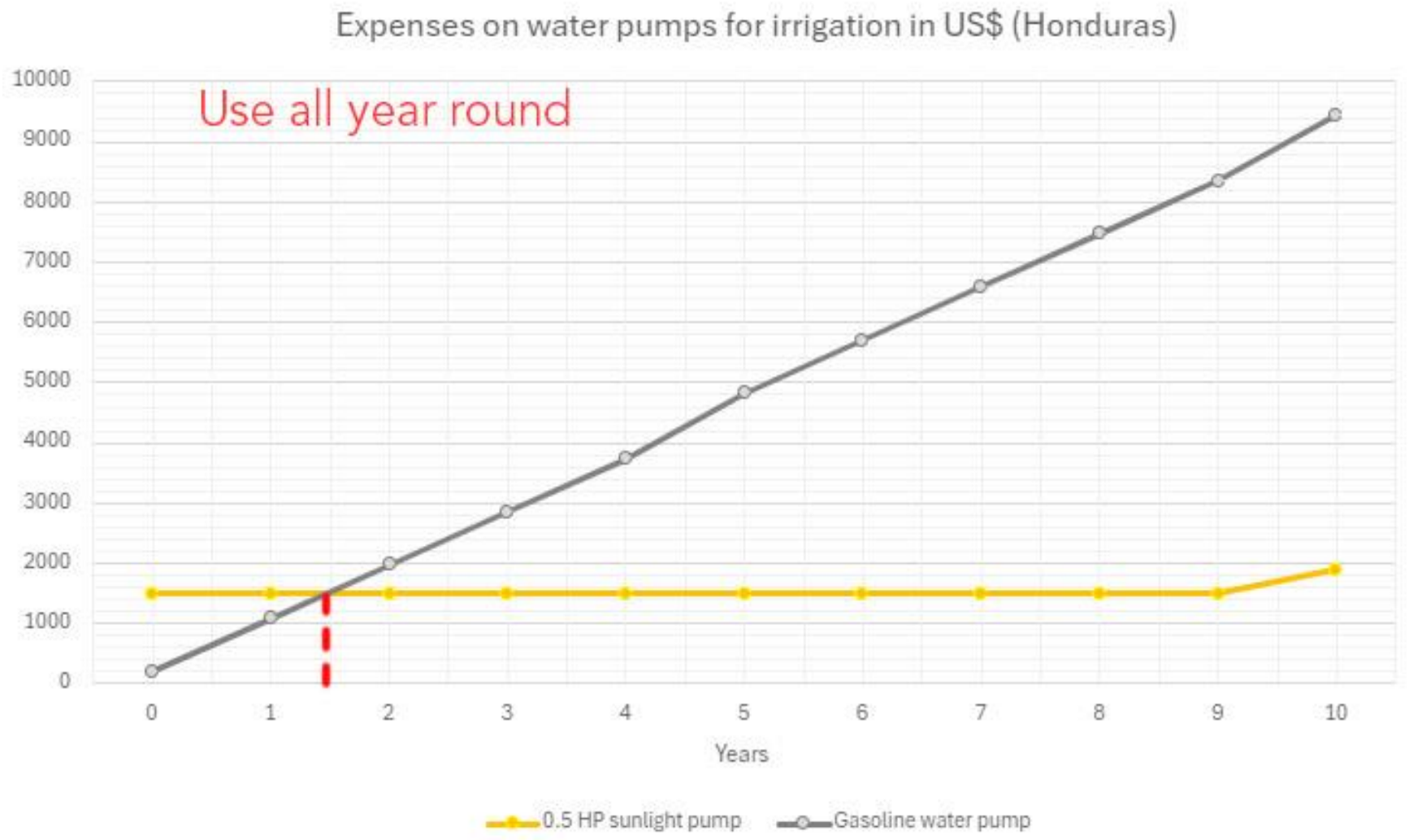
Total amount of water pumped per day



Specific case 1: 0.5 Hp sunlight pump at "Pyflor" farm in Honduras

OUTPUTS	With a **375 Watts** solar panel
Water produced	365 days/year Max: **25.460 Liters/day** Average: 15.259 Liters/day
CO_2 saved	1.687 Kg/year
Gasoline saved	730 litres/year
Savings for fuel and maintenance	**884 USD/year**

Specific case 1: 0.5 Hp sunlight pump at "Pyflor" farm in Honduras



As the pump is used all year round, the investment pays for itself in a **year and a half**.

Specific case 2: 2 Hp sunlight pump with a group of women gardeners in Mali

Near Kayes, Mali, this women's group has been using a 2 HP sunlight pump since 2022 to irrigate a tree nursery and market garden covering over 7 ha.

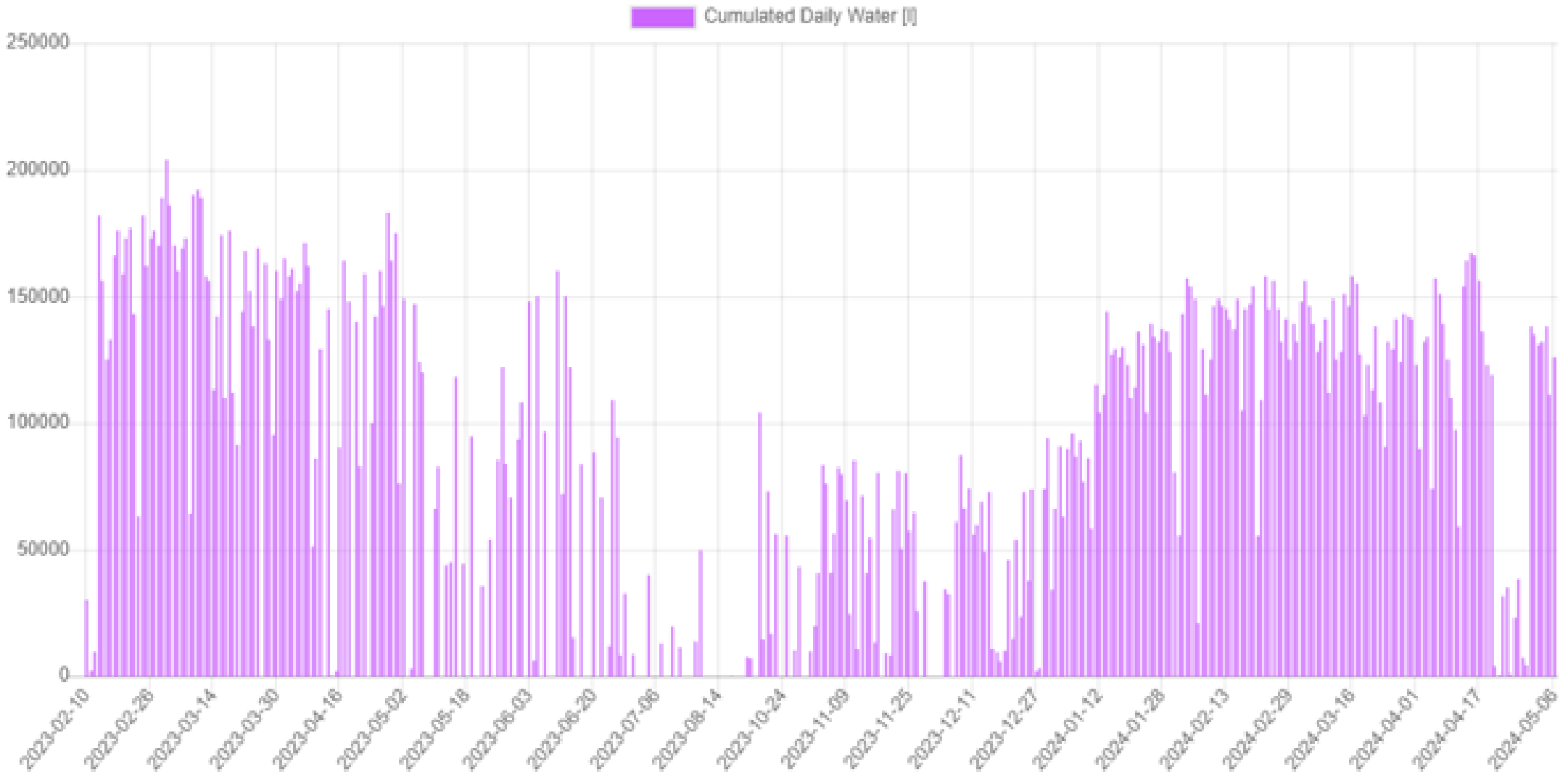
Specific case 2: 2 Hp sunlight pump with a group of women gardeners in Mali

It has replaced a diesel motor pump on the bank of the Senegal River.

They use the solar pump every day during the dry season and a few days during the rainy season.

Specific case 2: 2 Hp sunlight pump with a group of women gardeners in Mali

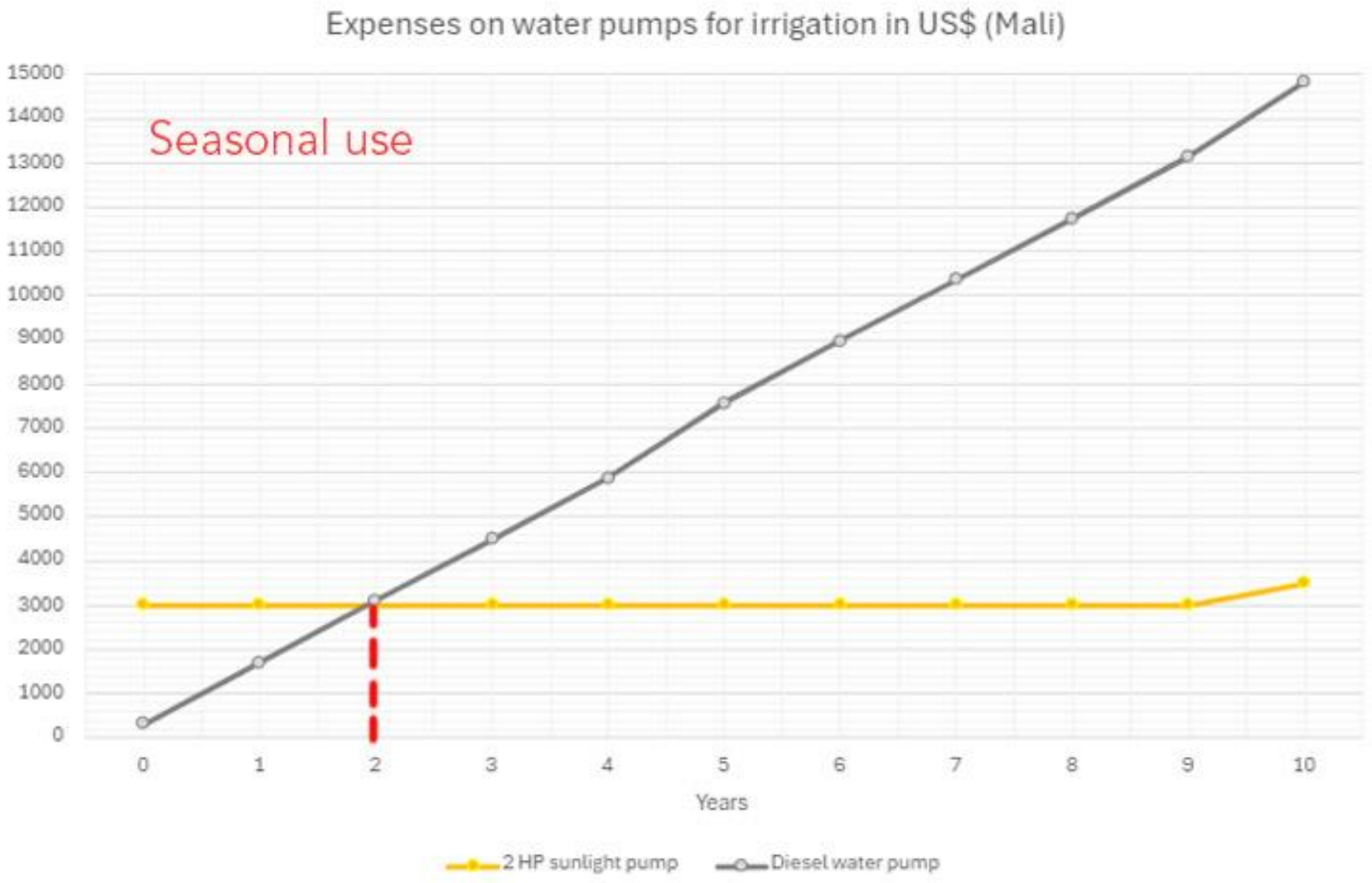
Total amount of water pumped per day from 2023 to 2024



Specific case 2: 2 Hp sunlight pump with a group of women gardeners in Mali

OUTPUTS	With **2220 Watts** solar panel array
Water produced	172 days/year (dry season) Max: **210.000 Liters/day** Average: 118.000 Liters/day
CO_2 saved	2.385 Kg/year
Gasoline saved	1.032 litres/year
Savings for fuel and maintenance	**1.434 USD/year**

Specific case 2: 2 Hp sunlight pump with a group of women gardeners in Mali



As the pump is used mostly during dry season, investment pays for itself in **2 years**.


More information online !
Website :
www.ennos.ch