ORIAZ Solar-Dripper

How to use urine in your garden Presentation for the 2020 Rich Earth Virtual Summit



Good news :-)



Studies shows urine can be a safe and efficent fertilizer.

SEI, WHO, FAO, Renaud De Looze, Rich Earth Institute, Fabien Esculier, Tristan Martin etc.













Good news #2

The solar-Dripper is tolerant to particle over 2mm in dia and also tolerant to biofilm

> no filtration is required

Conventional systems require filtration from .08 to .20 mm





Le système goutte-à-goutte breveté ORIAZ définit une nouvelle classe de résistance. UTC : Ultra TOLÉRANT au Colmatage avec une tolérance aux particules de 2 000 micromètres.

Les cercles suivants représentent la taille relative des particules tolérées par les goutteurs conventionnels.

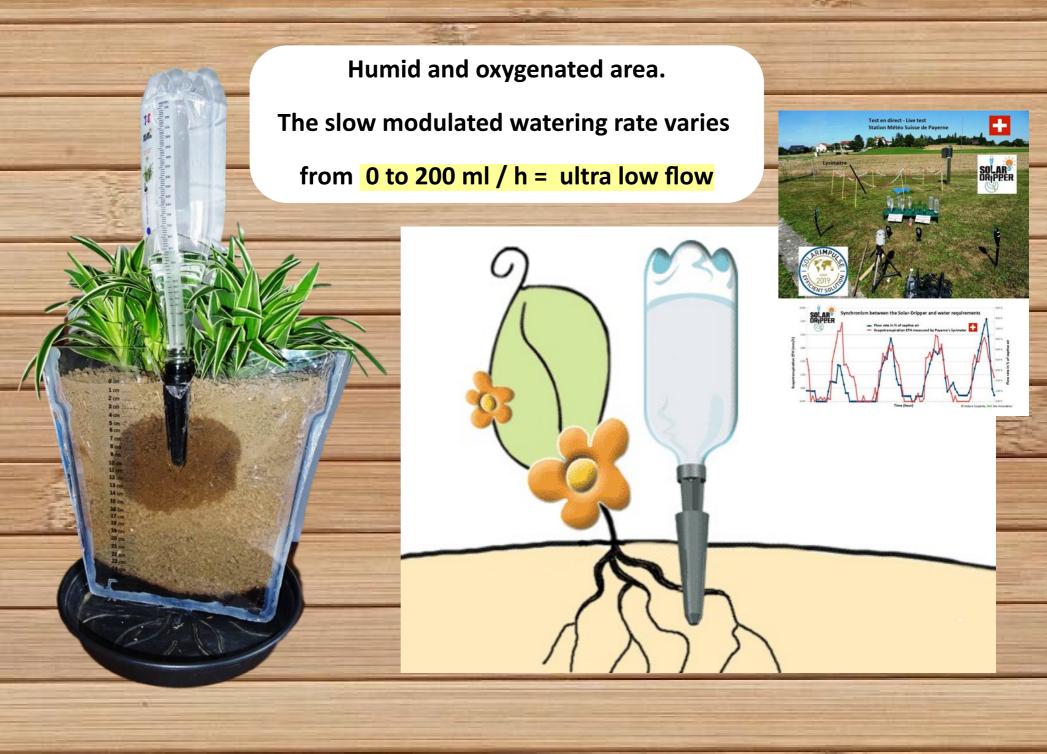
CLASSE ORIAZ 2000 μm

LE RÉGULATEUR ORIAZ A UNE SURFACE DE PASSAGE 128 FOIS PLUS GRANDE

> UTC Ultra Tolérant au Colmatage

Let's do it with the Solar-Dripper!





intense flow rate according to the size of the bottle







How to measure the urine dosage?

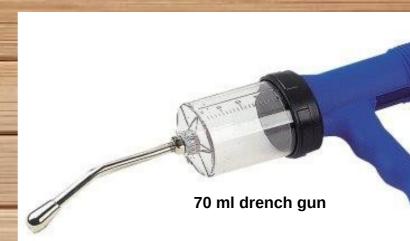
For example: - 5 % urine every 15 days
- 1 % to 3 % in continuous use
recommended by Renaud De Looze

up to 25 % urine for occasionnal fertilisation.

1- Use a scale

2- Use a graduated container

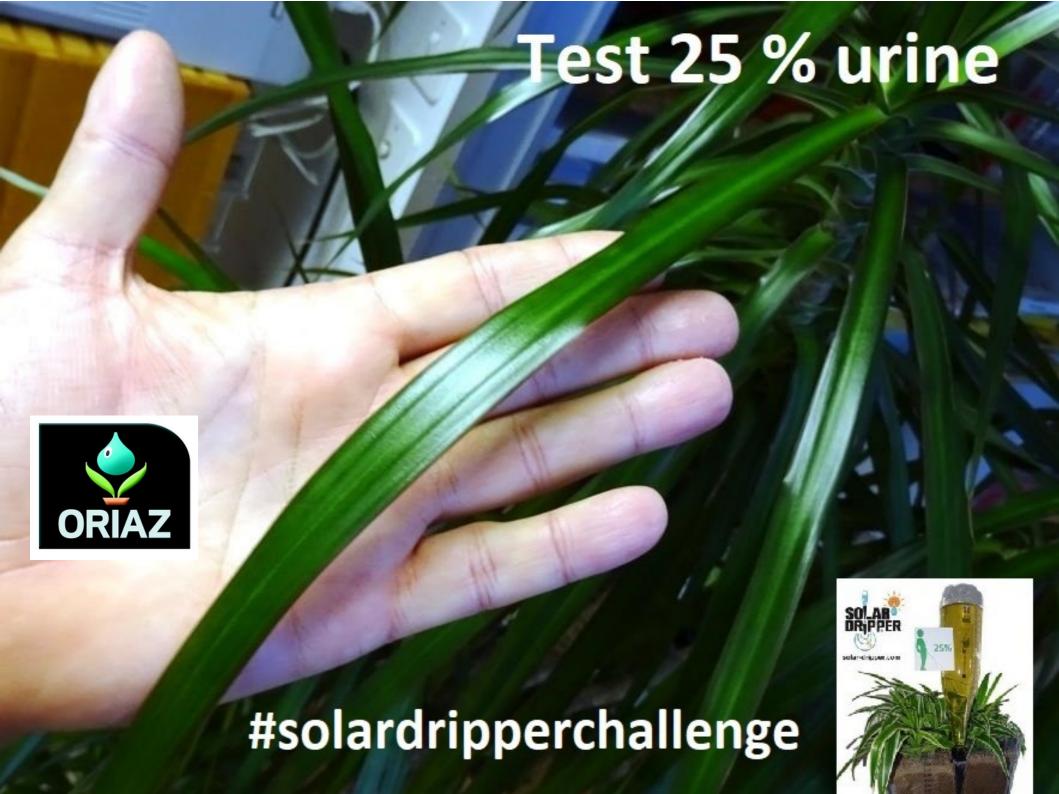
3- Use a adjustable drench gun



Adjustable screw















Video on French TV FR3 2019:

https://youtu.be/Lih-YCKqvcY

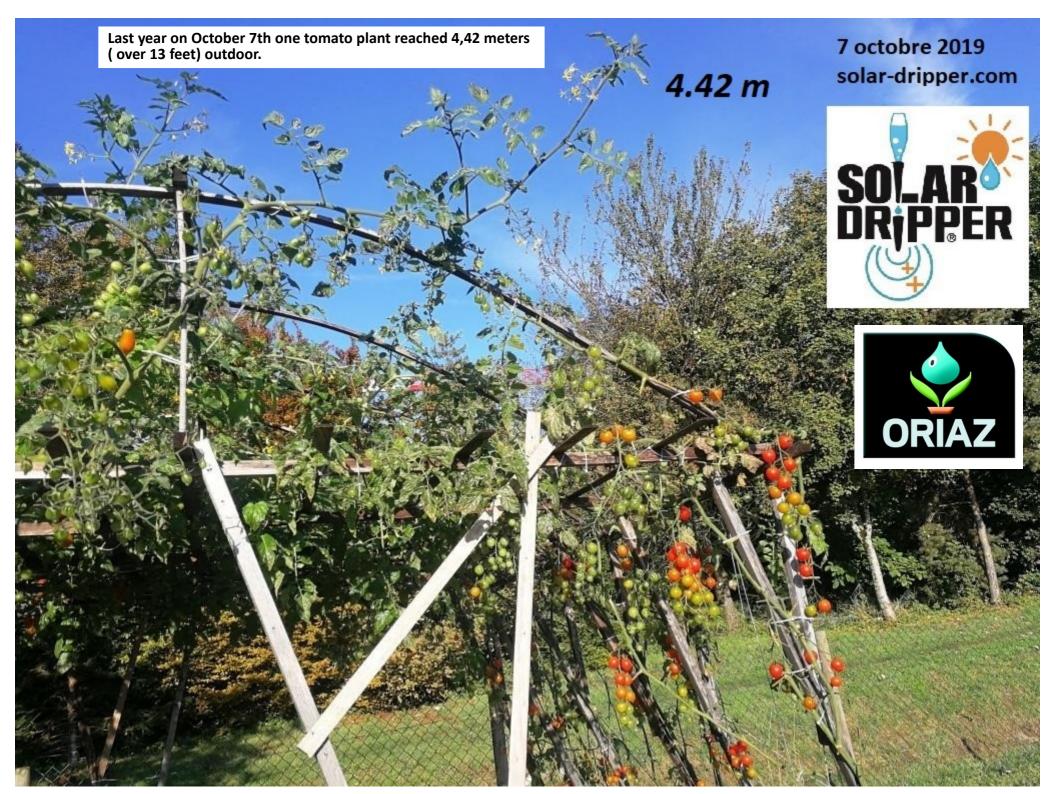












World Water Week at Stockholm 2019

ORIAZ

They tried tomatoes fertilized with urine and applied with the Solar-Dripper solar-dripper.com



Des experts de l'eau gouttent à des tomates cerises fertilisées avec de l'urine humaine à Dijon Rencontres Nationales des acteurs de l'Assainissement non collectif.

Top Secret

Même pas peur!

Mission Possible

L'urine utilisée directement a été collectée à Annecy. Durant deux mois nous avons aussi utilisé le concentré AURIN fabriqué à Zurich















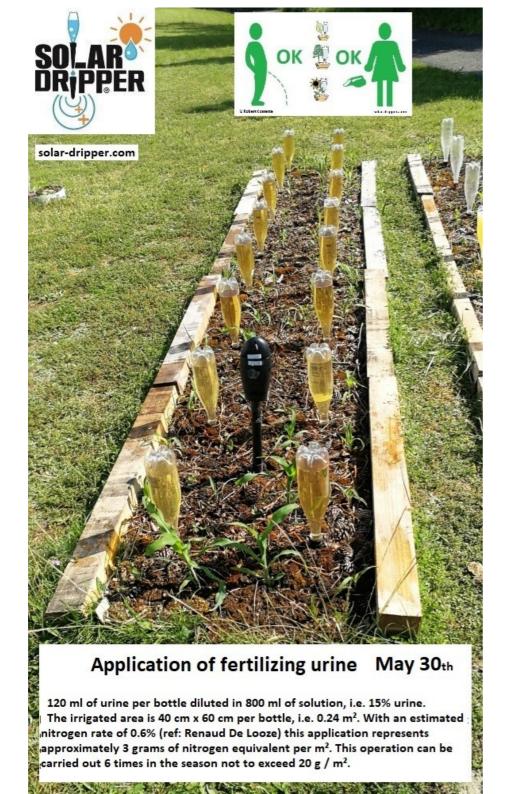
A new Lasagna garden was made in April (Patricia Lanza method)
I used a layer of decomposed leafs (just 10 cm), no powing, no weedkiller,
3 Sisters Milpa culture combining corn + bean + squash
https://solar-dripper.com/comment-cultiver-le-mais/















As a winter solution: use > 100 m² of trees surface per person for a daily spreading.

https://solar-dripper.com/comment-utiliser-urine-sous-les-arbres/ (French)



The result was magnificent ... in full confinement (March 22 th) it made some red flowers.



Future R&D on Biofilm: how usefull are they? Can we control them?





The Symbio Collector ©

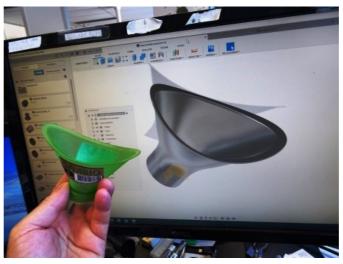
Compatible with soft drink bottle (and Aurin 500 ml bottle)

Low cost adaptor to collect pee. No contamination from feces.

Portable and individual.

Dishwasher safe.

Ongoing tests for optimisation.





Our current R&D on female collector

Conclusions:



- The Solar-Dripper is a tool to promote urine usage now.
- Open the public to future urine collection for food production or ornemental plants .
 - This solution is available for home usage at low cost (2 7 \$ per unit).
 - Collection of clean urine is easy with a simple bottle for men and a simple SYMBIO adaptor for women.
- Tomato taste and growth are outstanding :-)



come visit us on solar-dripper.com



The Solar-Dripper can be shipped to USA and Canada from Annecy.

10 – 15 days average delivery.

Welcome to reseller inquiry

R&D specialist Welcome.







Bonus content: Pictures of the day

September 16 th 2020 in Annecy, France















