

Solid Rain

Presented by
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What is SOLID RAIN?

Is water obtained from the rain, stored in a molecular form with the use of super absorbent acrylates, that can absorb up to 500 times its weight in water, with no modification of its chemical structure.

Having as a result rain in solid pieces.



Introduction

Since ancient times the humans have been trying to store rain, but always in **LIQUID FORM**.

The technology here presented offers the possibility to store the rain in **SOLID FORM**.



Process to obtain SOLID RAIN

The rain is captured from roofs or other sources, then is re-directed and stored temporarily in containers.



Process to obtain SOLID RAIN (Continue)

Once the liquid rain is in containers, the super absorbent acrylate is added, this starts the process of Solidification.



Process to obtain SOLID RAIN (Continue)

After the solidification process ends, the **SOLID RAIN** is transferred to **PLASTIC SACKS** and then stored in warehouses.



SOLID RAIN Transportation

The **LIQUID RAIN** for it is transportation requires, pumps, pipes, electric energy, special trucks, etc.

The **SOLID RAIN** is handled as any other sack.



Main Applications of SOLID RAIN

Because the **SOLID RAIN** does not get lost by filtration in the soil, it is ideal to cultivate areas with low precipitation and land without irrigation systems.



Main Applications of SOLID RAIN (Cont.)

With the continue increase of dry areas, uncertainty of the rainy season, and changes in the world weather. Are problems that can be solved with the moisture provided by the **SOLID RAIN** when it is installed in the root of the plants, increasing the opportunities to the plants to succeed and surviving dry seasons.



Main Applications of SOLID RAIN (Cont.)

The **SOLID RAIN** can be applied to prevent the lost of cultivated areas, specially after the rainy season is over or unpredictable. The super absorbent acrylates can be re-hydrated with every new rain. This cycle can be repeated for up to 10 years.



Results and Benefits of the SOLID RAIN

- Is possible to initiate the sowing season before the rain starts.
- The plants do not suffer for lack of moisture during their grow.
- The crops do not get lost even if the rainy season ends.
- Increase of productivity in cultivated areas.
- Reduction in the cost of irrigation systems.
- Reduction in the use of fertilizers.
- Can be also applied to fight fires of grasses and bushes.
- **Reduction of poverty, hunger, and emigration.**

Results and Benefits of the SOLID RAIN (Continue)

With
SOLID
RAIN



Without
SOLID
RAIN



Results and Benefits of the SOLID RAIN (Continue)

Comparative results obtained with and without the use of
SOLID RAIN in Topilejo, Mexico July 2002.



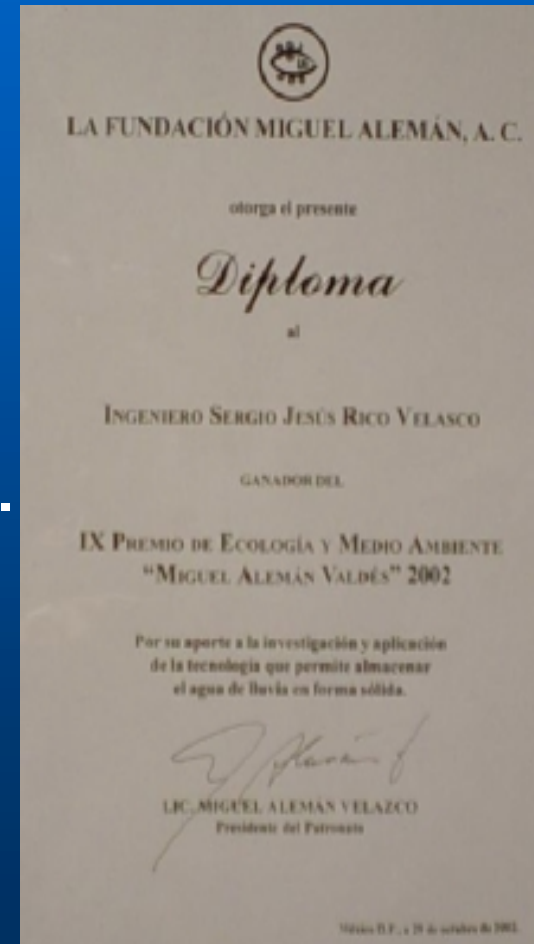
Information campaigns about SOLID RAIN and its applications

The author, dedicates a good part of his time to train farmers, giving conferences in universities and having interviews in radio and television, showing the best ways to apply this technology. And his investigation continues.



Solid Rain Recognitions and Awards

After consulting diverse Universities and Government Institutions, specialized in water matters and verifying that the use of **SOLID RAIN** has real benefits, the **MIGUEL ALEMAN FOUNDATION**, named the author winner of the “IX annual award of ecology and environment 2002”.



SOLID RAIN

THE END

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