

CO2 balance Agricultural Company Zaganelli Ruggero

1 liter of diesel used with diesel engine emits 2,650 gm of CO2

From burning 1 m. c. of Methane 1,900 gm are obtained. of CO2

One hectare of land with vegetation absorbs an average of 20 tons of CO2 per year

Every Kw / year of surplus of energy from renewable sources saves gm. 531 of CO2

CO2 produced by the use of 3,000.00 liters of diesel

L. 3,000.00 x 2,650 gm: 1,000,000 = 7.95 tons of CO2 -

CO2 produced by the combustion of m.c. 2,000

of methane m.c. 2,000 x 1,900 gm. : 1,000,000 Tons 3.80 of CO2 -

CO2 absorbed by Ha 18 x 20 tons. 360.00 tons of CO2 +

Excess energy from renewable sources

KW 2,029.50 x gm. 531: 1,000,000 Tons 1.91 of CO2 +

Result: the production of CO2 was canceled and the Agricultural Company contributed to the reduction of CO2 for around 350 tons per year, thanks also to the adoption of the "BIOLOGICAL" method

The obvious merit is not so much in the choice of photovoltaics (which however largely covers the production of CO2 from agricultural diesel and methane), but in the ability of the soil and cultivated plants to absorb CO2, mainly due to the mechanism of chlorophyll photosynthesis, characteristic of all vegetables.

In fact, through chlorophyll photosynthesis, from six water molecules plus six carbon dioxide molecules and thanks to the chlorophyll that allows to capture solar energy, a glucose molecule is obtained and 6 oxygen atoms are released.

Basically, in the air, 6 CO2 molecules are replaced with six oxygen atoms. The result speaks for itself, but it is what guarantees life on planet Earth.

