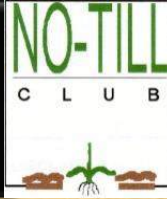


A Responsible Adoption Of No-Till Can Avert This Problem

SOBERING FACTS ABOUT THE AMERICAN DUST STORM IN 1934



IS SOUTH AFRICA BECOMING A DUST BOWL? FREE STATE AUGUST 2014

Devastating sandstorm – America 1934



Destruction of House, Home and Hearts



“...it was so dark in the middle of the day, that the people in the same room, even with the lights on, couldn’t identify each other.”

Sand storm near Bloemfontein, October 2014

Photo taken by OFM’s Jan Nel van Dyk



Degenerative veld conditions in SA



WHAT CAUSED THIS?

WE MUST AVERT A DUST BOWL OCCURING IN SOUTH AFRICA!

The droughts of 1930-31, 1934, 1936, and 1939-40 are together called the DUST BOWL

Two sets of conditions led to the severity and extent of the 1934 drought

1. A high-pressure system over western America affected normal Rain-fall patterns.

2. Poor land management practices caused dust storms in the spring of 1934.

Richard Seager stated: “The fact that it was the worst of the millennium was probably in part because of the human role.”

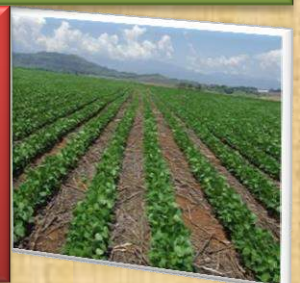
DEVASTATING FACTS!

- This agricultural devastation helped to lengthen the Depression whose effects were felt worldwide.
- The movement of 350 000 hungry people on the Plains to the towns, was profound.
- The estimated area affected was 220million ha, and the loss of soil 850million tons.
- South African losses from wind erosion is 90million tons per annum and 300million tons from water erosion.

WHAT BENEFITS WILL NO-TILL BRING?

Minimum disturbance of the soil’s surface and letting the No-Till mulch subdue the force of wind and rainfall impact, **calms the destructive velocity of runoff, improving water infiltration and increasing soil moisture content.**

Organic mulch moderates the soil temperature, reduces moisture evaporation, and creates an environment for the essential microbes, insects and earthworms to build well-structured rich healthy soil.



Water Erosion