

OPTIMIZED ENERGY PRODUCTION FROM DOMESTICATED PLANTS.

Summary

As today's fossil fuels are derived from plants grown millions of years ago, we think biofuels production can be optimized through:

- Conservation agriculture to reduce diesel consumption and to increase C sequestration (all crops)*
- Improved varieties to get maximum yields/ha (maize, wheat, soybeans, etc)*
- Genetic modifications to protect plants from insects, herbicides, drought or low N.*

Applications

Field cultivation of domesticated plants for biofuel uses (bioethanol or diesel).

The use of the same technology in food/feed production can also reduce indirect impacts on food prices.

Patent application number

Several numbers.

Priority date

Several dates, and some tools are off patent.

References

*See IDAE publications at:
<http://www.idae.es/index.php/mod.pags/mem.detalle/relcategoria.1034/id.93/reldata.55>*