

# Irrigating Biofuel Crops



RELIABLE

DURABLE

PRECISE

EASY-TO-USE

RESPONSIVE



# BIOFUELS

As fossil fuel prices continue to increase, so does interest in biofuels. Biofuels have been touted as the most reliable renewable energy source available to us today. As a biodegradable, nontoxic source of energy, biofuels can help decrease the amount of CO<sub>2</sub> and other greenhouse gases emitted into the atmosphere. In addition, using domestic crops to produce biofuels adds to the local economy and reduces a country's dependence on imported oil.

Biofuels, such as ethanol and biodiesel, are made from plants and other forms of biomass. Ethanol is produced from cereals, grains, sugar crops, and other starches, which are fermented into alcohol. Oil seed crops, such as soybeans, canola, and jatropha, are crushed, pressed, and processed into oil to make biodiesel.

Irrigation is the security that growers and investors need to ensure that a stable crop supply will be available to the refineries year after year. And as the demand for biofuels increases, the need for a reliable supply of feedstock will increase. Valmont Irrigation can help provide the tools to produce more crops, while reducing energy and water usage, yet another step towards preserving the environment.

A few of the biofuel crops you can irrigate with Valley machines:

- Sugar Cane
- Corn
- Soybeans
- Sugar Beets
- Canola
- Sunflowers
- Jatropha



## VALMONT CAPABILITIES

Valmont Irrigation, the world's largest manufacturer of center pivot and linear irrigation machines, is a worldwide organization. Valley irrigation equipment can irrigate practically any crop, including those used for biofuel production.

## MECHANICAL MOVE IRRIGATION

Mechanical move irrigation has been used for over 50 years throughout the world. These machines allow growers to apply water, fertilizers, and chemicals when and where they are needed, in the exact amounts that are needed. When properly managed, mechanical move irrigation can save in energy, fuel, and labor costs compared to other forms of irrigation while producing more crop per drop of water.

## VALMONT WATER MANAGEMENT GROUP

Valmont Water Management Group is a division of Valmont Industries dedicated to assessing and completing turnkey projects, especially in developing countries with limited infrastructure. They are able to provide single-source project management by designing, supplying, and installing your project.

## ASSESS YOUR NEEDS

With offices in nine countries, our personnel can help you determine the best crop to irrigate in your region, as well as the best equipment to use on your field. Go to [www.valmont.com/irrigation](http://www.valmont.com/irrigation) to find an office near you.



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 INTL11150 JN 06/07