

# APPLICATIONS PUMPS



## ROW CROP SPRAYING POTATO FIELDS

File No. 72

### Section 1

#### PROBLEM:

Find a dependable pump to provide an adequate water supply for an 18-row crop sprayer.

#### SOLUTION:

Install a continuous duty compact 6020 pump enabling twice as much application in one half the time.

#### OPERATION:

This farmer was down and out as his existing pump was no longer manufactured and service parts were slow in coming and sometimes not available. He needed a replacement and chose a CAT PUMP because of its proven performance record and reputation for prompt delivery of both pumps and service parts.

Since Smith and Johns Inc. had to do some modification to retrofit the CAT PUMP, they took this opportunity to modify the row crop sprayer. They extended the spray booms to 60 feet (30 feet on each side) to accommodate 112 nozzles total.

They apply the herbicides and insecticides at a constant 450 PSI which is maintained by the system regulator and have a 40 inch spray pattern from each nozzle.

With the modified Ag sprayer, 18 rows can be sprayed in less time and at a much lower cost than the old machine could spray eight rows.

#### SPECIFICATIONS:

CAT PUMPS Model .....	6020
Pressure.....	450-500 PSI
Flow .....	40 GPM
Temperature .....	Ambient
Fluid .....	Water/Fungicides/Pesticides/Herbicides
Duty Cycle .....	Continuous
Drive .....	PTO Tractor

#### BENEFITS:

- Self-contained system including water supply and chemicals.
- PTO drive off the tractor is more economical.
- More efficient and cost effective system: two seasons and no service required.

*“Customer confidence is our greatest asset”*

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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## **World Headquarters**

### **CAT PUMPS**

**1681 - 94th Lane N.E. Minneapolis, MN 55449-4324**

**Phone (612) 780-5440 — FAX (612) 780-2958**

e-mail: [sales@catpumps.com](mailto:sales@catpumps.com)

[www.catpumps.com](http://www.catpumps.com)

## **International Inquiries**

**FAX (612) 785-4329**

e-mail: [intlsales@catpumps.com](mailto:intlsales@catpumps.com)



*The Pump with "Nine Lives"*

## **CAT PUMPS (U.K.) LTD.**

1 Fleet Business Park, Sandy Lane, Church Crookham, Fleet  
Hampshire GU13 0BF, England

Phone Fleet 44 1252-622031 — Fax 44 1252-626655

## **N.V. CAT PUMPS INTERNATIONAL S.A.**

Heiveldkens 6A, 2550 Kontich, Belgium  
Phone 32-3-450.71.50 — Fax 32-3-450.71.51

e-mail: [cpi@catpumps.be](mailto:cpi@catpumps.be) [www.catpumps.be](http://www.catpumps.be)

## **CAT PUMPS DEUTSCHLAND GmbH**

Buchwiese 2, D-65510 Idstein, Germany  
Phone 49 6126-93030 — Fax 49 6126-930333  
e-mail: [catpumps@t-online.de](mailto:catpumps@t-online.de) [www.catpumps.de](http://www.catpumps.de)