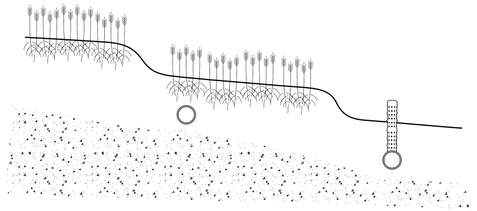
GEOTEXTILES HELP KEEP SOIL WHERE IT BELONGS

Woven and nonwoven fabrics improve the load carrying capacity of soils and can prevent rutting in animal loafing areas and unpaved roadways. Geotextiles also provide subgrade stabilization under waste ponds and pits, and help keep fine or silty soils out of buried drainage collector pipe. In addition, ADS Canada supplies pre-assembled silt fence to control sedimentation and run-off.

ADVANCED TERRACE DRAINAGE

Terraces have long been one of the most effective methods used to reduce soil loss on sloping ground. ADS Canada provides pipe and inlets for a complete terrace drainage system.

ADS Canada pipe helps complete an efficient terrace drainage system.



ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com

BRO #1403 02/16

GROW YOUR BUSINESS WITH ADS CANADA

Your local ADS Canada representative offers a number of valuable services for farmers, contractors and distributors:

- G.R.O.W. Analysis℠
- Land Purchase Analysis℠
- Irri-Drain®
- Water flow calculators
- Installation training
- Farmer meetings
- Marketing support

ADS Canada, Inc.
3135 Boomer Line, St. Clements, Ontario N0B 2M0

866-889-4496

www.ads-pipecanada.ca

ADVANCED. INNOVATIVE. UNMATCHED.

Improve your bottom line from the underground, up.

Total solutions for agriculture drainage

ADVANCED. INNOVATIVE. UNMATCHED.

IS DRAINAGE AT THE TOP OF YOUR LIST?

ADS has over 45 years experience in agricultural applications. Our pipe—the one with the distinctive green stripe—has been used for everything from mains and gravity manure systems to culverts and open ditch enclosures.
Many agricultural professionals agree that improved drainage is one of the most cost-effective ways to increase crop production.
According to research experts, the top twelve factors that affect yield are: (Listed in order of importance)

1. **Drainage**
2. **Crop variety**
3. **Insect/seed problems**
4. **Crop rotation**
5. **Tillage (timing and type)**
6. **Compaction (susceptibility by soil type)**
7. **Soil pH (liming)**
8. **Herbicides (misapplication & drift, organic tie up and clay %)**
9. **Subsoil conditions (clay layer, acid fragipans)**
10. **Fertilizer placement (broadcast, band, stratification)**
11. **Fertility of soil**
12. **Plant population (23,000 vs. 30,000)**

IT SHOULD BE.

ACCORDING TO THE 2011 BEST MANAGEMENT PRACTICES PUBLISHED BY VARIOUS ONTARIO AND CANADIAN AGRICULTURAL AGENCIES, NUMEROUS BENEFITS ARE GAINED BY IMPROVING AGRICULTURAL DRAINAGE SYSTEMS:

1. Longer growing season since drier soils take less heat to warm up in the spring.
2. Improved field access.
3. Improved growing conditions - aeration, temperature, fertility & rooting depths.
4. Improved production and crop quality.
5. Greater protection from crop failure caused by excess water.
6. Improved soil quality, e.g. reduced soil compaction.
7. Reduced fuel consumption and wear-and-tear on equipment.
8. Improved drought tolerance through enhanced root system development.
9. Improved soil conditions for harvest.

PROOF THAT DRAINAGE PAYS

G.R.O.W. Analysis℠ software shows why draining fields gives a **G**reater **R**eturn **O**n **W**ater and a greater return on investment. The software shows how a drainage system from ADS Canada pays for itself (and then some) with increased yield alone.

Land Purchase Analysis℠ software illustrates how the purchase of more land would affect a farm's bottom line. Rarely do the benefits of investing in more land exceed the value of draining presently owned fields.
Both programs are easy to use and only require the user complete a short information form to help generate accurate data. The software is available free of charge from your local sales representative. The software can also be found online at **www.ads-pipecanada.com**.

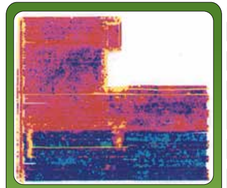
ADVANCED DRAINAGE SYSTEMS, INC.
G.R.O.W. Analysis

Prepared For: Roger
Purchase Price $60,000 Product: Corn

Assumptions

Acres Drained:	100
Yield Improvement Bushel:	35
Price Per Bushel:	$ 3.25
Disaster Factor Year 3:	2
Percent Tax Bracket:	20%

	1st year	2nd year	3rd year	4th year	5th year	6th year	7th year	8th year	9th year	10th year
Down Payment - Principal	$ 4,191	$ 4,516	$ 4,866	$ 5,243	$ 5,649	$ 6,087	$ 6,559	$ 7,067	$ 7,615	$ 8,205
Income Statement										
Additional Yield	$ 11,375	$ 11,375	$ 22,750	$ 11,375	$ 11,375	$ 11,375	$ 11,375	$ 11,375	$ 11,375	$ 11,375
Operating Expenses	10	10	10	10	10	10	10	10	10	10
Interest Expense	4,650	4,325	3,975	3,598	3,192	2,754	2,282	1,774	1,226	636
Tax Depreciation	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Pretax Income	4,715	5,040	16,765	5,767	6,173	6,611	7,083	7,591	8,139	8,729
Less: Income Taxes	943	1,008	3,353	1,153	1,235	1,322	1,417	1,518	1,628	1,746
Net Income After Tax	3,772	4,032	13,412	4,614	4,939	5,289	5,666	8,073	6,511	6,983
Plus Tax Depreciation	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Cash Flow	5,772	6,032	15,412	6,614	6,939	7,289	7,666	8,073	8,511	8,983
Cumulative Cash Flow	$ 5,772	$ 11,804	$ 27,216	$ 33,829	$ 40,768	$ 48,057	$ 55,723	$ 63,796	$ 72,307	$ 81,290
Investment Rate	8%									
Net Cash Flow										
Current Year	$ 1,581	$ 1,516	$ 10,546	$ 1,370	$ 851	$ 1,202	$ 1,107	$ 1,006	$ 896	$ 776
Plus : Interest Income	0	101	205	893	1,038	1,158	1,309	1,464	1,622	1,783
Cumulative	$ 1,581	$ 3,198	$ 13,948	$ 16,211	$ 18,100	$ 20,460	$ 22,877	$ 25,347	$ 27,865	$ 30,426
Breakeven Bushels/ Acre	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
Total Return on Investment	135%									
Break Even Year	8									

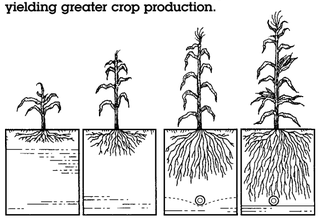


Corn (220–130)

- 220 and greater
- 210–219
- 200–209
- 190–199
- 180–189
- 170–179
- 160–169
- 150–159
- 140–149
- 130–139
- less than 130

This GPS yield map shows a corn field in which the lower third features a subsurface drainage system. It's plain to see the difference drainage makes: the drained portion produced around 40 bushels per acre more than the field's average yield.

Proper drainage promotes healthy roots, yielding greater crop production.



AGRICULTURE MAINS THAT WORK AS HARD AS YOU DO

The sizing and maintenance of agriculture mains is crucial for the performance of drainage systems. No matter how many acres need to be drained, ADS Canada has a product to fit your specific installation needs.

For agriculture mains, we offer both perforated and solid single wall corrugated pipe in sizes up to 600 mm (24"). Maxi coils of large diameter pipe are available in sizes up to 375 mm (15"). A maxi coil of 375 mm (15") pipe contains 50 m (165'), 300 mm (12") contains 100 m (330'), 250 mm (10") contains 158 m (520') and 200 mm (8") contains 250 m (820').

In addition to single wall pipe, N-12® HDPE pipe can be used for agriculture mains. The smooth interior of N-12 pipe reduces friction, allowing water to flow smoothly, while its corrugated exterior allows for superior strength beneath farm equipment. N-12 pipe is manufactured with integral bell couplers or plain end pipe with split couplers to make installation simple. N-12 pipe meets the standards of ASTM F2648. For installation information please refer to ADS Canada IG1.03 or CSA B182.11.

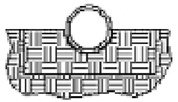
ADS Canada manufactures tees for all sizes of pipe that make it easy to connect the submains and laterals to the main line—saving time and money. Also available are 100 mm (4") tap tees that allow the lateral to be connected to the agriculture main by drilling a hole and then inserting the tap tee.

2(a)

"V" Groove

2(b)

Trapezoidal Bottom



2(c)

Circular Bottom