

THE IRRI-DRAIN WATER TABLE MANAGEMENT SYSTEM

The Irri-Drain System lets you manage water with its proven capability both to irrigate and drain a field using the same pipe and installation. It also acts as a nutrient control system, allowing you to keep fertilizer in your fields longer for better absorption.

By managing your water level with Irri-Drain, you take control of the production variables—planting date, fertilizer uptake and plant development... herbicide and insecticide effectiveness, soil compaction, standability/lodging, harvest moisture, and, most importantly, YIELD.

Irrigation AND Drainage — at Your Control

By installing the Irri-Drain System, you gain better, and immediate, control of moisture in your fields. You simply irrigate when fields are dry and drain when they are wet. Irri-Drain lets you neutralize poor weather conditions to give you adequate planting time, increased crop yields and more crop options.

In the irrigation process, water can be pumped back from the source, through the feeder pipe, into the perforated pipe system—to where the roots absorb moisture as needed. This PUMP-BACK system raises the water table so that you can maintain the optimum soil moisture level for your crops, encouraging maximum root development.

Whenever drainage is required, such as during and right after extended rain, the pump is shut down, and the drainage outlet is opened.

With an Irri-Drain System, you control the timing of both irrigation and drainage, to maximize yields and profits.

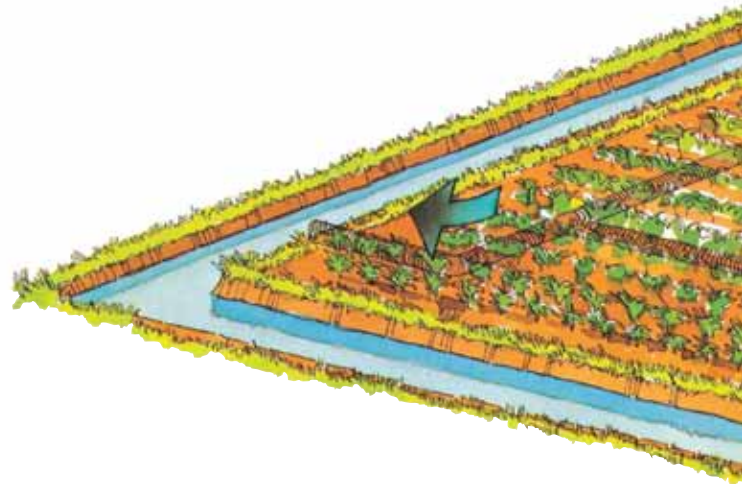
A Solution for Any Field

The Irri-Drain System also works effectively on sloping lands.

Head-control stands with overflow baffles are used to distribute the flow in stair-step fashion down the slope. Pressures of no more than 5 psi are sufficient to operate the Irri-Drain system.



Irri-Drain head-control stand
at the edge of a corn field



The Irri-Drain System is the ideal solution for drainage water management:

SAVES MONEY

By using one pipe system for two operations, the cost can be comparable to that of a pivot system.

SAVES ENERGY

Using gravity flow and low pumping pressure, an acre-inch of water can be built into the sub-soil with minimal energy usage.

ELIMINATES THE EVAPORATION

Evaporation associated with overhead sprinklers is eliminated.

INCREASES FIELD COVERAGE

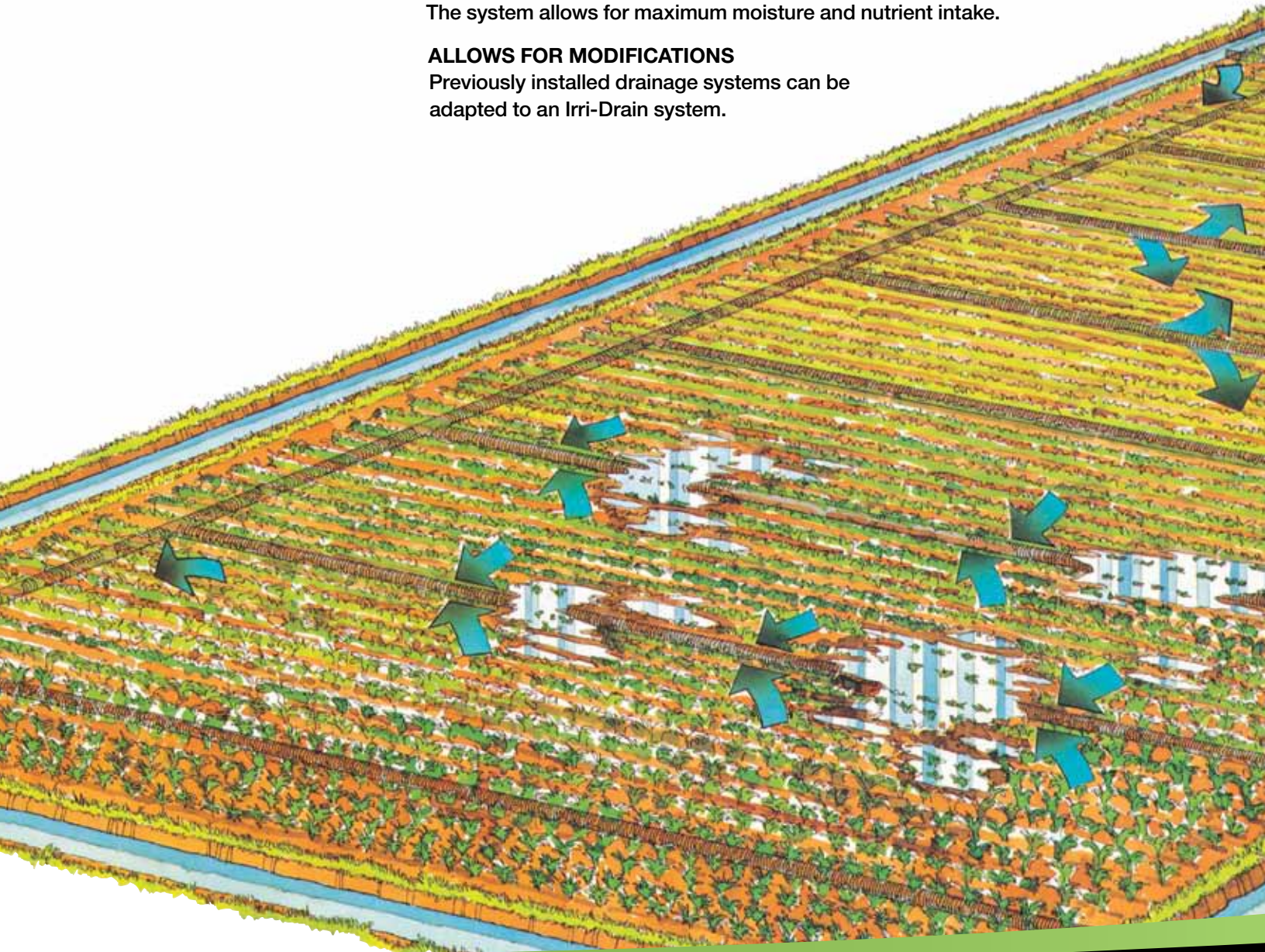
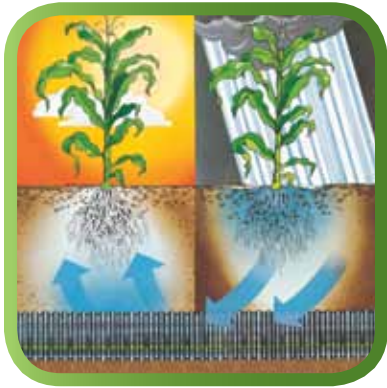
Irri-Drain can cover a field of any size and shape and includes the corners not reached by overhead pivot systems.

ENCOURAGES DEEP ROOTING

The system allows for maximum moisture and nutrient intake.

ALLOWS FOR MODIFICATIONS

Previously installed drainage systems can be adapted to an Irri-Drain system.



SINGLE WALL FITTINGS

INTERNAL COUPLERS

DIAMETER	PRODUCT CODE
3" (75 mm)	0315AA
4" (100 mm) Ag Coupler	0416AA
4" (100 mm)	0417AA
5" (125 mm)	0515AA
6" (150 mm)	0615AA
8" (200 mm)	0815AA
10" (250 mm)	1015AA



EXTERNAL SNAP COUPLERS

DIAMETER	PRODUCT CODE
3" (75 mm)	0312AA
4" (100 mm)	0412AA
5" (125 mm)	0512AA
6" (150 mm)	0612AA
8" (200 mm)	0812AA
10" (250 mm)	1012AA



SPLIT COUPLERS

DIAMETER	PRODUCT CODE
3" (75 mm)	0311AA
4" (100 mm)	0411AA
5" (125 mm)	0511AA
6" (150 mm)	0611AA
8" (200 mm)	0811AA
10" (250 mm)	1011AA



90 DEGREE SNAP ELBOWS

SIZE	PRODUCT CODE
3" (75 mm)	0390AA
4" (100mm)	0490AA



45 DEGREE SNAP ELBOWS

SIZE	PRODUCT CODE
4" (100 mm)	0445AA

