



T-L IRRIGATION CO.

PRECISION CONTROL SYSTEMS Pivots & Linears





T-L Technology – Continuous Movement

- Exclusive Hydrostatic Power Train
- Maximum Water Distribution Uniformity

Engine Drive



Electric Drive





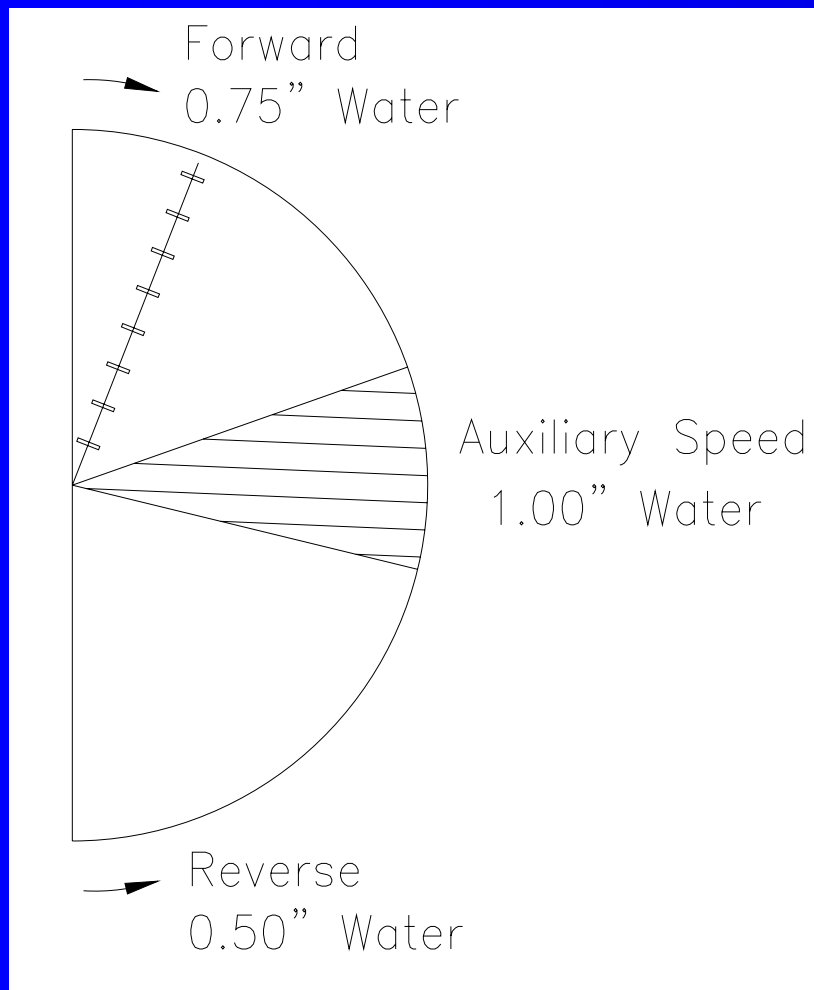
T-L Pivot Control Options

- Precision Point Control Panel





T-L Pivot Control Options



Precision Point Control

- Forward Speed
- Reverse Speed
- Auxiliary Speed



T-L Pivot Control Options

- Pivot Manager Control Panel

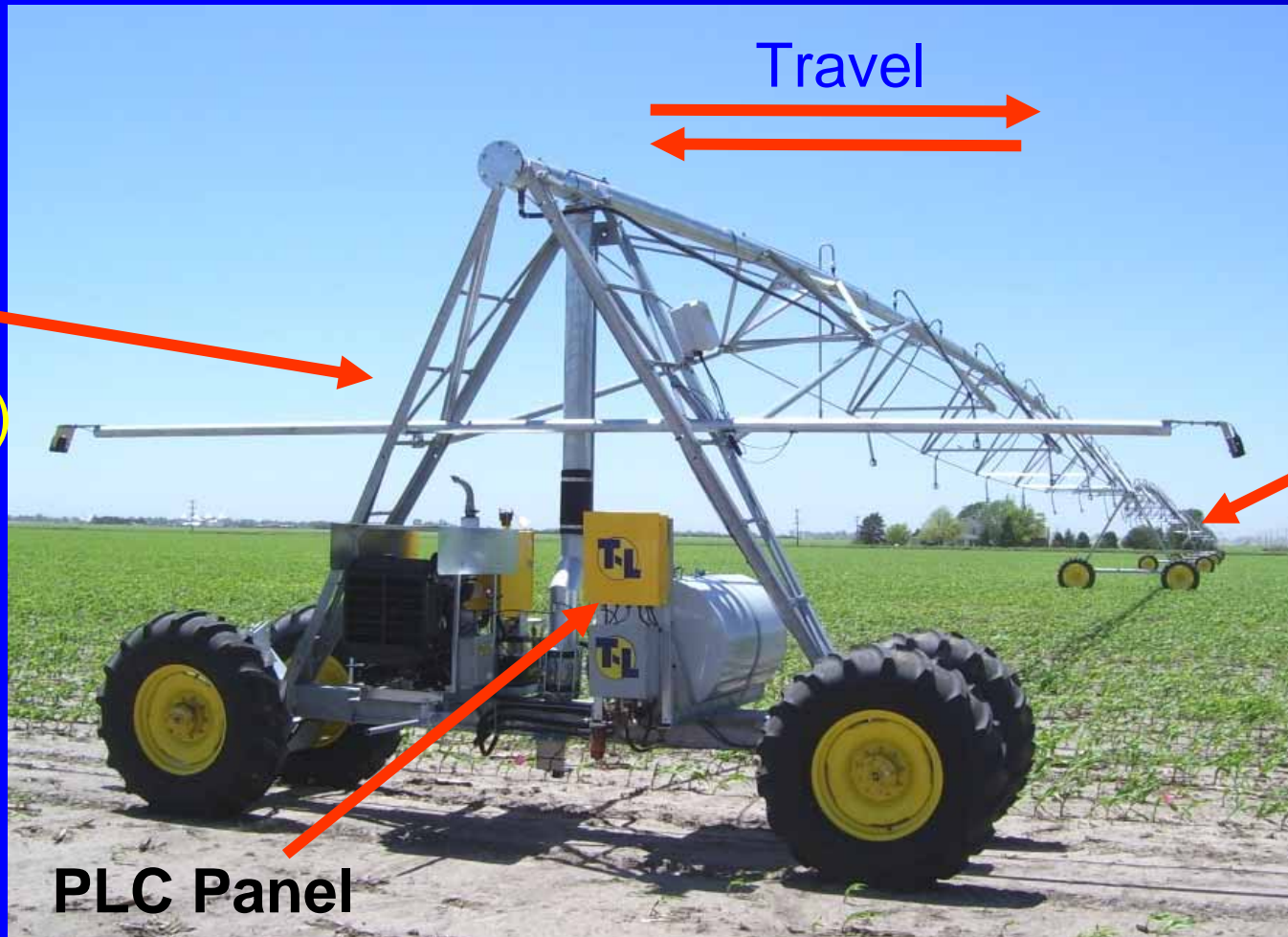




Precision Linear Control (PLC) Panel

Combines Guidance with Speed & Direction Control

Left
End
(Tractor)



Travel

Right
End

PLC Panel



Precision Linear Control Panel

- User Friendly Electronic Control Panel
 - Replaces Manual Control Panel
- Interface to existing Pivot End Tower Control
 - Continuous Movement, Uniformity
- Provide Actual Speed Information
- Incorporate Different Guidance Systems
 - Buried Wire
 - Above Ground Cable
 - Furrow Guidance



Precision Linear Control Panel (cont.)

- Adapt to End Feed or Center Feed Tractor
- Adapt to Hose Drag or Ditch Feed Water Supply
- Guidance Diagnostics on-screen
- Add Optional Sensors with Ease
 - Water Pressure
 - Water Flow
- Change Application Rate at diff locations
- Control End Gun, Auxiliary functions
- Cost Effective

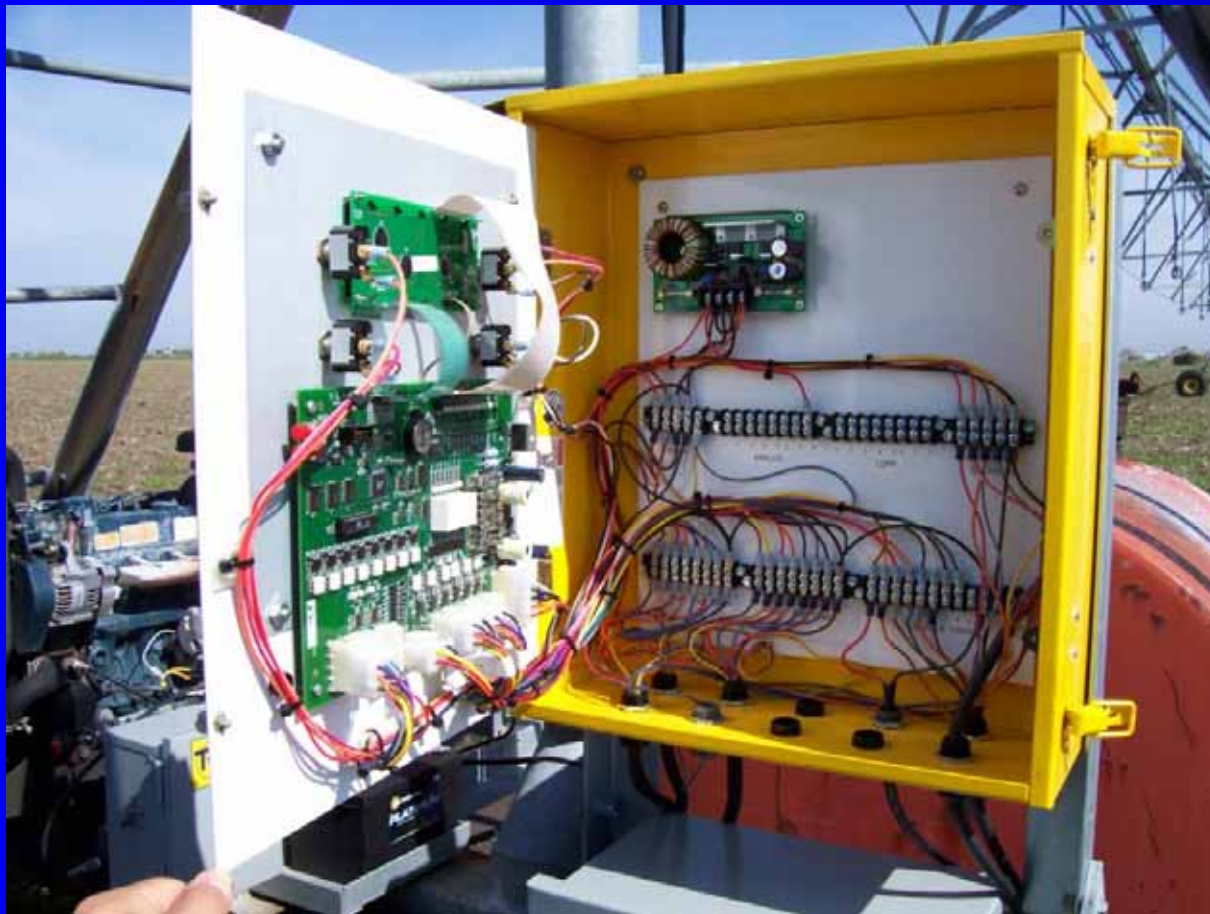


Precision Linear Control Panel





Precision Linear Control Panel





PRECISION LINEAR CONTROL PANEL

Replace Manual Control

Manual Control



Precision Linear Control





Precision Linear Control

Use Existing End Tower Manifold for T-L Pivots

- Control Speed and Direction of each End Tower





Precision Linear Control End Feed

Tractor/
Left End



End Tower
Manifold

Right End

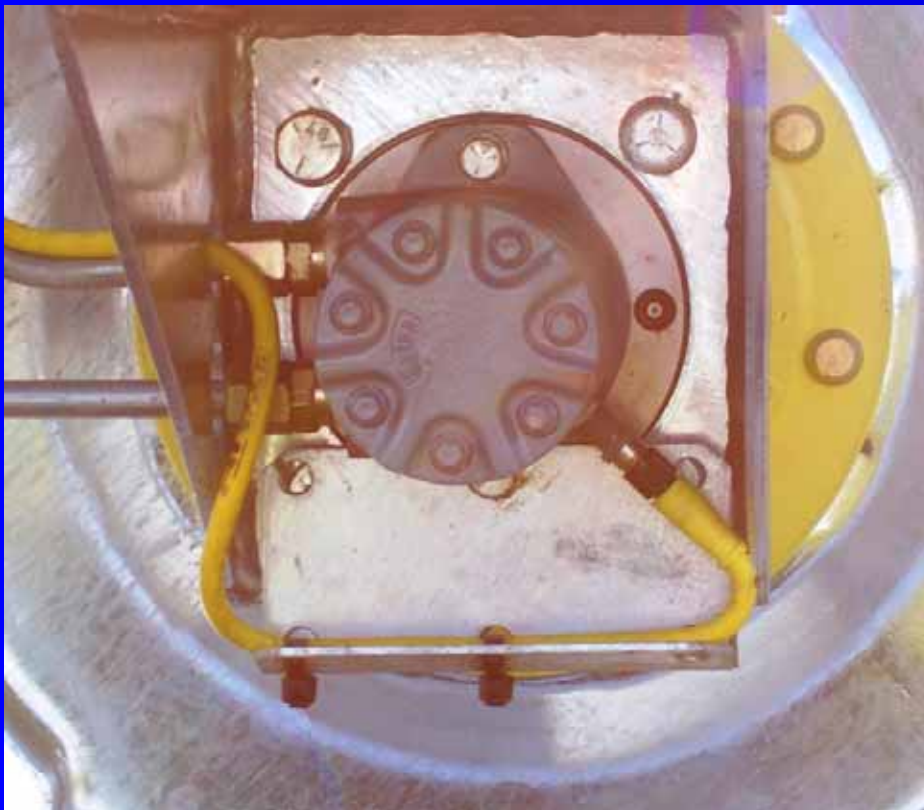




Precision Linear Control

Provide Actual Speed Information

Sensor Motor on Each End Tower



END FEED = Tractor &
Right End

CENTER FEED = Left &
Right End

Use Sensor Motor for
Distance Counter Feature.



Precision Linear Control Adaptable





Precision Linear Control

Adapt to Guidance Systems, Tractor Location, Water Supply

Center Feed, Hose Drag, Buried Wire Guidance
- Idaho, USA





Precision Linear Control

Adapt to Guidance Systems, Tractor Location, Water Supply

End Feed, Ditch, Above Cable
- Colorado State University





Precision Linear Control

Adapt to Guidance Systems, Tractor Location, Water Supply

End Feed, Hose Drag, Furrow Guidance

- Australia





Precision Linear Control

Adapt to Guidance Systems, Tractor Location, Water Supply

End Feed, Hose Drag, Above Cable (view from Right End)
Ukraine



Еталон рівномірності поливу –
з безперервним рухом в роботі!

Запрошуємо !

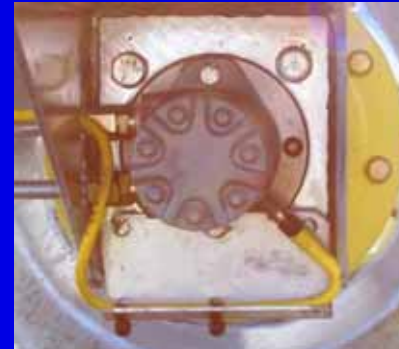
Unifer Запрошуємо **Всіх успішних аграріїв** на перший в Україні семінар-презентацію новітніх зрошувальних систем фронтального та кругового типу з гідравлічним приводом від компанії T&L (США), яка відбудеться 11 липня 2008 року в Херсонській області. Будемо раді допомогти в організації Вашого візиту; будь-ласка, підтвердіть свою участь за телефоном: 050 494 34 35. З технічних питань звертайтеся за телефоном: 050 315 67 91.



Precision Linear Control Panel Diagnostic Information On Screen

End Tower Speed

LEFT SET IPM	024
LEFT ACT IPM	024
RGHT SET IPM	024
RGHT ACT IPM	024



Above Cable Guidance



FWD ANGLE	01.0 deg
	00.3"
TOWARD LEFT END	
SET024	L016 R032



Precision Linear Control Panel Diagnostic Information On Screen

Buried Wire Guidance

FWD STR ANT 0.21mV
STR LVL SET 0.20mV *
TOWARD LEFT END
SET024 L032 R016



Distance Counter

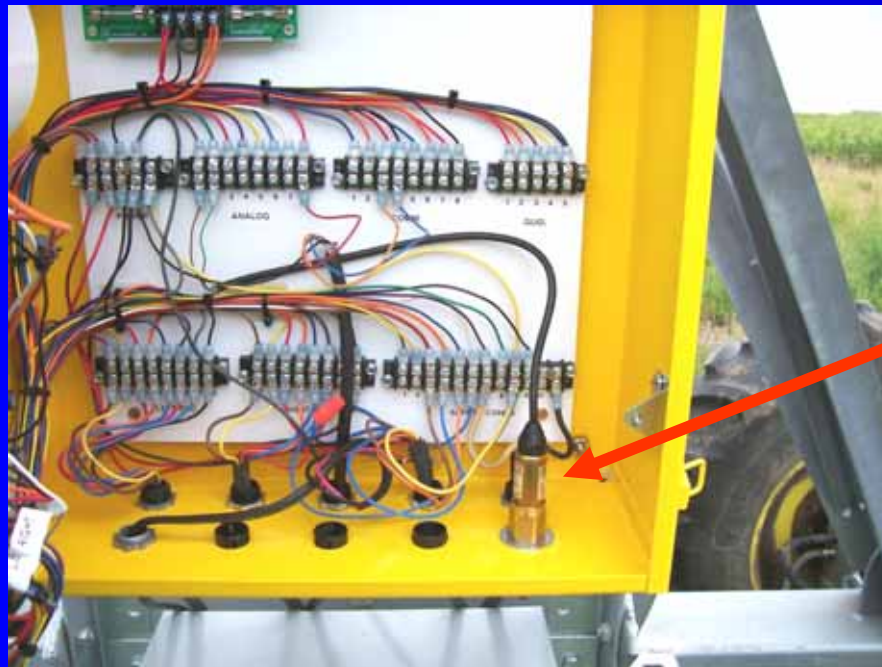
TUE 7/1/08 3:50 P
SET DIST = 02600 ft
CURR DIST=00500 ft
013:42:16 TO STOP



Precision Linear Control Panel

Optional Sensors

- Water Pressure
- Water Flow



Water Pressure Sensor



Precision Linear Control Panel

Optional Sensors

- 14 Tower Center Feed in Guatemala
- High Profile Tractor, Concrete Ditch Water Supply

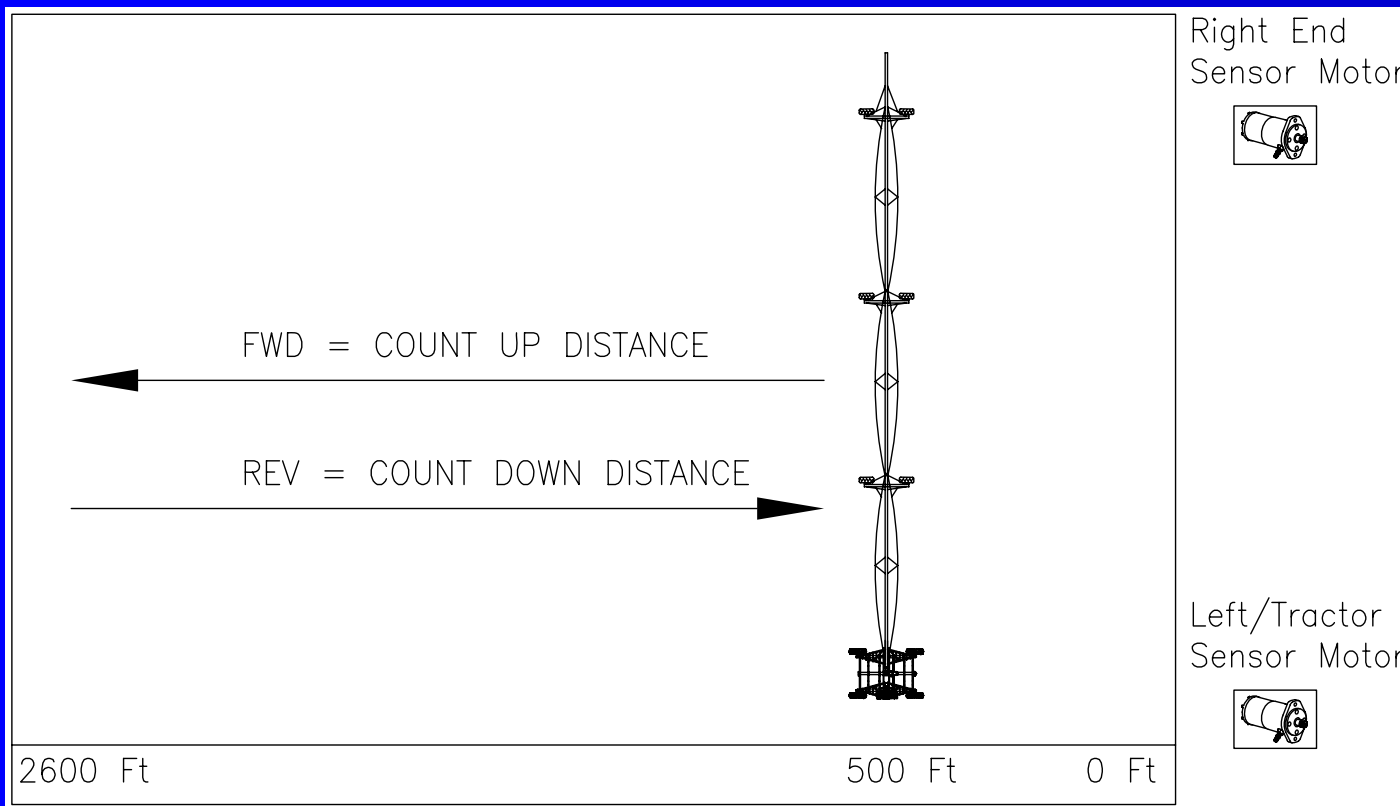


Water Flow Sensor
(Ditch Suction Pipe)



Precision Linear Control Panel

Distance Counter – Location in Field

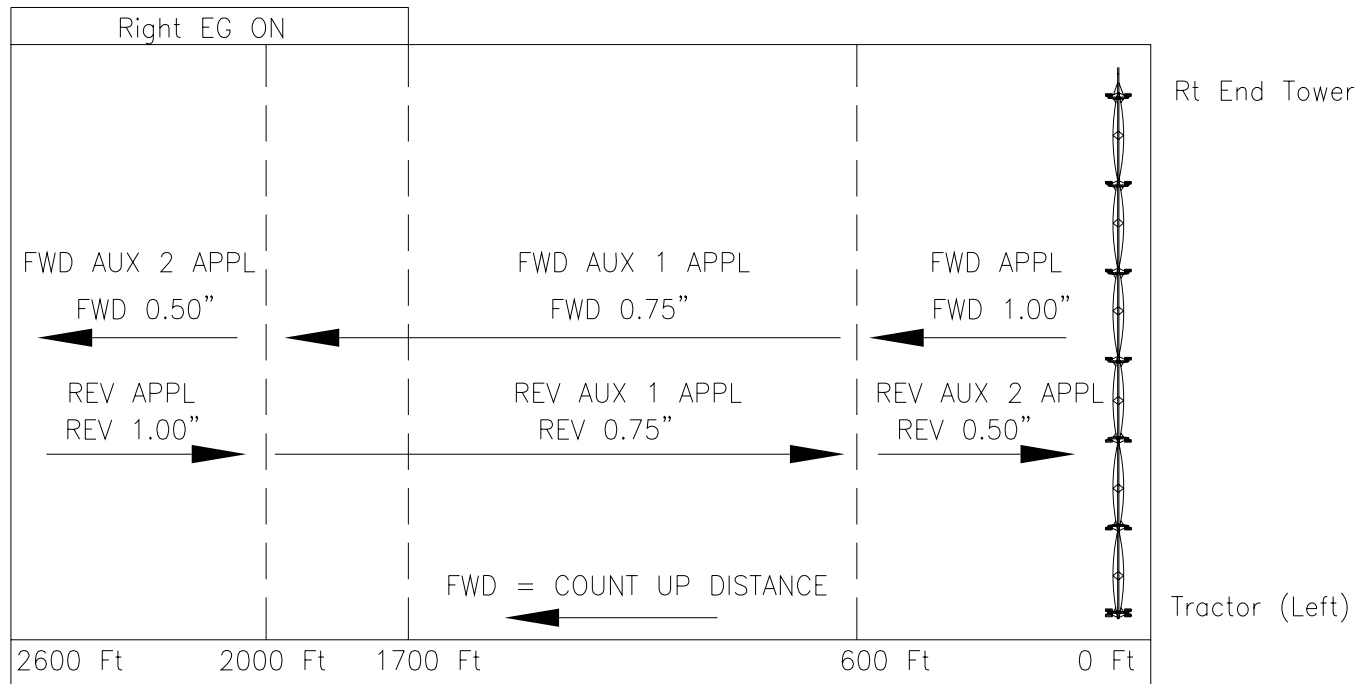




Precision Linear Control Panel

Distance Counter Example

- Automatic Appl. Rate Changes, End Gun Control



AR Delay
5 Minutes



T-L ULTRA Linear System





ULTRA Linear Features

- Operate as either a Linear or Pivot
- Maximize Irrigated Acres with one machine
- Spans Pivot, Tractor Does Not
- Water While Pivoting
- Towable

Pivoting

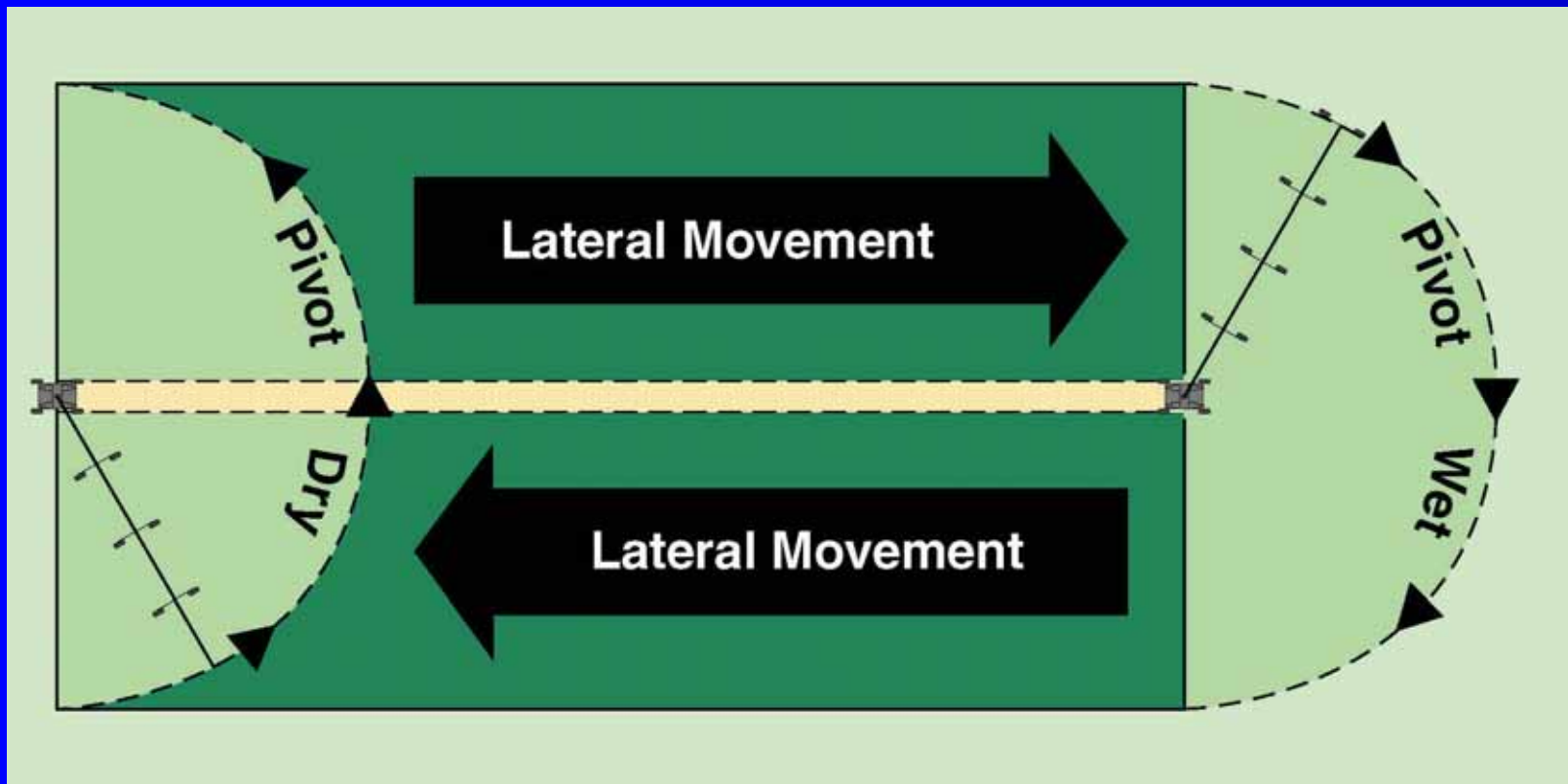


Towing



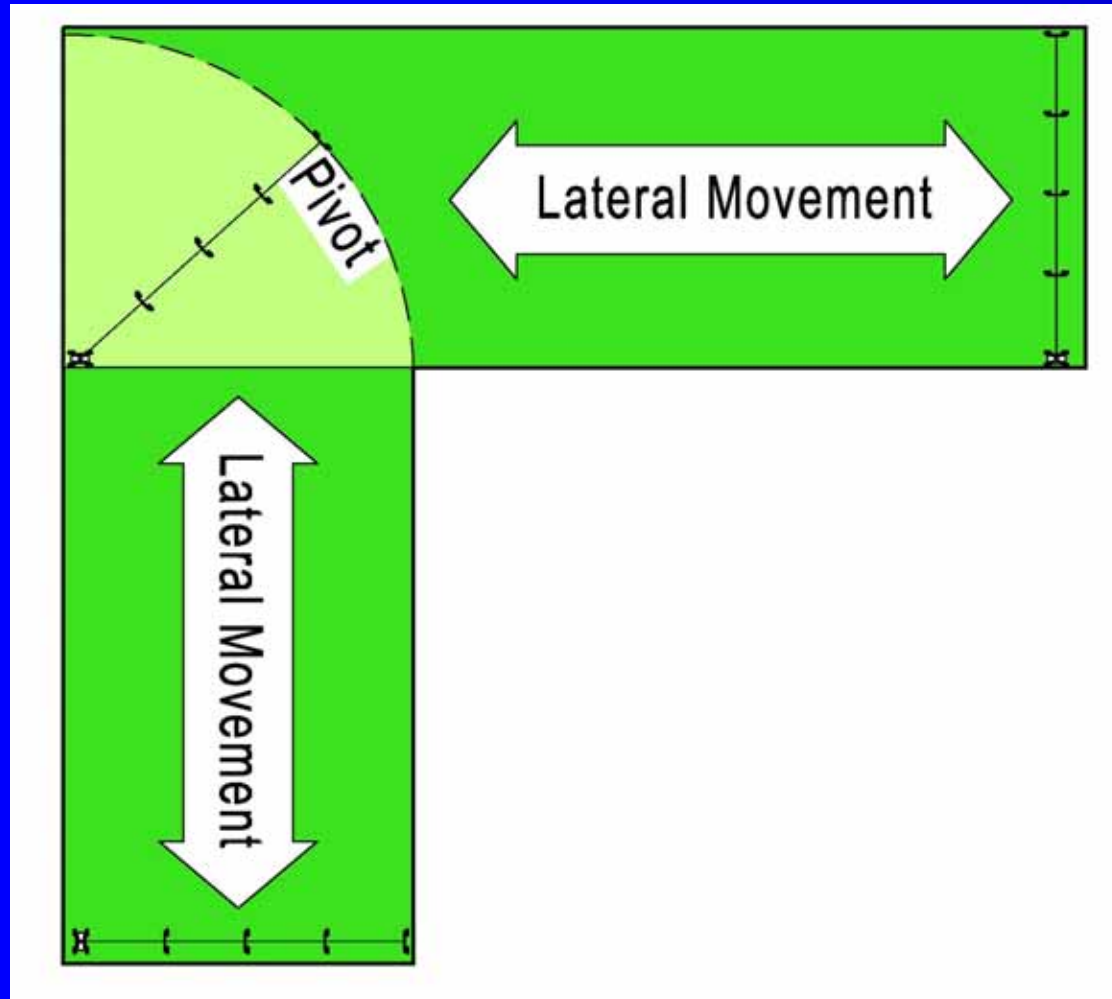


ULTRA Linear Features





ULTRA Linear Features





T-L ULTRA Linear

Straddle Ditch,
Ditch Guidance





T-L ULTRA Linear





AE50 AWARD WINNERS

Recognized as one of the top 50 innovations of the year by the American Society of Agricultural and Biological Engineers.

2009 AE50

T-L Precision Linear Panel



2010 AE50

T-L ULTRA Linear System

