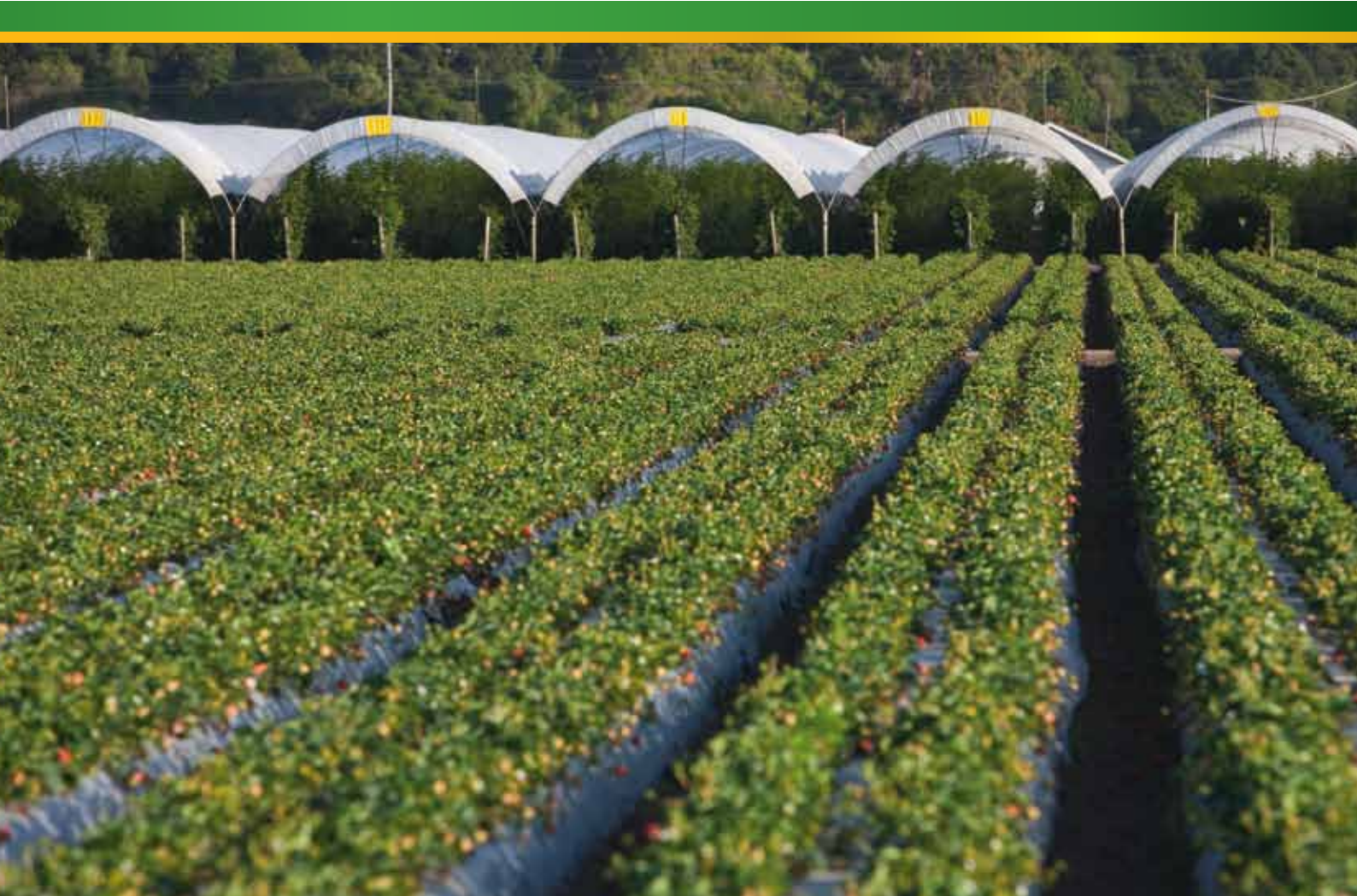


# Hydro PC / PCND 12 mm

Flow Regulated Drip Lines



**JOHN DEERE**  
WATER



In addition to the standard John Deere Hydro PC and Hydro PCND Flow Regulated Drip Lines, the 12mm Drip Lines provide an opportunity to improve irrigation efficiency in short run applications. The comparably small diameter drip lines improve irrigation efficiency by reducing significantly the amount of stored water in the drip lines and shortening refilling and draining time. Additionally, the small diameter drip lines reduce excessive wetting in the lower sections.

And as John Deere products, the Hydro PC and Hydro PCND 12mm Drip Lines are engineered for high performance. Both integrated drippers have a large cross sectional labyrinth leading into a flow control chamber, where the highly responsive floating diaphragm regulates and maintains constant flow rate at variable inlet pressure. Furthermore, the design of the drippers produce a continuous flushing process to keep the drip lines flowing.

# Specifications

Inside diameter: 10.4 mm  
(Constant inside diameter regardless of dripline wall thickness)

Wall thickness: 0.6\*, 0.9, 1.0 mm (25, 35, 40 mil) (\*for PC only)

Flow rate: 1.05 lph

Maximum operating pressure according to wall thickness: 0.6 mm - 2.5 bar; 0.9 and 1.0 mm - 3.0 bar

No-drain sealing pressure: 0.12 bar

Emitter spacing: from 15 cm

## Benefits:

Two water outlets

Self-cleaning mechanism

Longer reels allow easy and efficient installation and retrieval, and reduced transportation costs

Colored pipes for different applications: black or white for agriculture, green or brown for landscape, and purple for reclaimed water

## Applications:

Tunnels and shadehouses

Landscape and home gardens

Orchards and vegetables fields

ND - for pulse irrigation in greenhouses



Hydro PC 12 mm

Hydro PCND 12 mm

## Hydro PC & PCND 12 mm - 1.05 lph Maximum Recommended Drip Line Length (m) on Flat Terrain

Pressure (bar)	Emitter Spacing (m)							
	0.15	0.20	0.30	0.40	0.50	0.60	0.75	1.00
1.0	28	36	52	65	78	90	107	132
2.0	49	63	90	114	137	158	189	234
2.5	55	70	101	129	154	178	212	264
3.0	60	77	110	140	169	195	232	289

This literature has been compiled for worldwide circulation and the descriptions, photos, and information are for general purpose use only. Please consult with an irrigation specialist and technical specifications for proper use of John Deere Water products. Because some products are not available in all regions, please contact your local dealer for details. John Deere Water reserves the right to change specifications and the design of all products without notice. John Deere's green and yellow color scheme, the leaping deer symbol and John Deere are trademarks of Deere & Company.