

# DISTRIBUTION PATTERN OF PB-ROPE L

Distribute rope dispensers as uniformly as possible within the field.

- 1) Choose rate per acre: 200 ropes/ac (example)

$$43,560 \text{ ft}^2/\text{ac} \div \underline{200 \text{ ropes/ac}} = \underline{217.8 \text{ ft}^2/\text{rope}}$$

- 2) Determine row width:

30-in row = 2.5 ft/row      38-in row = 3.17 ft/row      40-in row = 3.33 ft/row

- 3) Calculate distribution pattern:

<b>30-inch rows</b>	Distance btw	Distance btw	ft <sup>2</sup> per
Treat every	treated rows	ropes within	= rope
6th row (x 2.5 ft =)	(ft)	x a row (ft)	
6	15.0	14.5	217.8

- 4) Measure number of paces per row-ft for accurate rope placement within a treated row. Use normal stride.
- 5) Treat all outside rows first.
- 6) Treat first and last plants within each treated row.
- 7) Place any leftover dispensers along field edge on upwind side and along borders neighboring sources of PBW infestation.

# FIELD DISTRIBUTION PATTERN FOR PB ROPE-L

Distribute rope dispensers as uniformly as possible within the field.

- 1) Choose rate per acre: 200 ropes/ac (example)

$$43,560 \text{ ft}^2/\text{ac} \div 200 \text{ ropes/ac} = 217.8 \text{ ft}^2/\text{rope}$$

$$(4047 \text{ m}^2/\text{ac} \div 200 \text{ ropes/ac} = 20.2 \text{ m}^2/\text{rope})$$

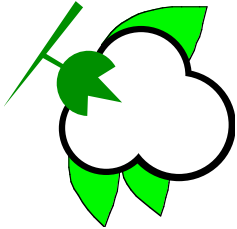
- 2) Determine row width: 32-in row = 2.67 ft/row (0.81 m)

- 3) Calculate distribution pattern:

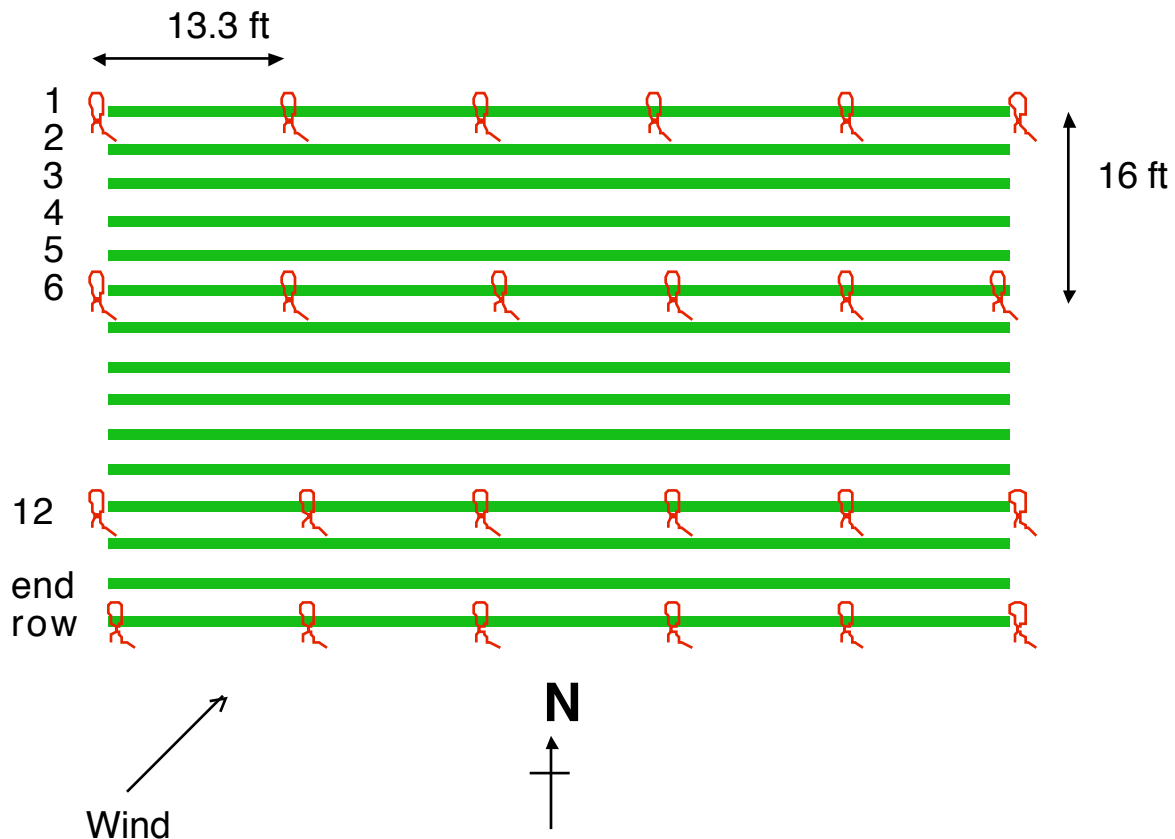
<b>32-inch rows</b> Treat every 6th row (x 2.67 ft =)	Distance btw treated rows in feet (m)	x	Distance btw ropes within a row in feet	=	ft <sup>2</sup> per rope
6	16.0 (4.9 m)		13.3 (4.1 m)		217.8 (20.2 m <sup>2</sup> )

- 4) Measure number of paces per row-ft for accurate rope placement within a treated row. Use normal, easy stride. (13.3 ft or 4.1 m is approximately 5 paces)
- 5) Treat all outside rows first.
- 6) Treat first and last plants within each treated row.
- 7) Place any leftover dispensers along field edge on upwind side and along borders neighboring sources of PBW infestation.

# FIELD DISTRIBUTION PATTERN FOR PB-ROPE L



- Treat all outside rows.
- Treat first and last plant on every treated row.
- Twist Rope on plants every 13.3 ft (4.1m) along every 6th row. (32-inch rows, 200 Ropes/acre)



- Any extra Ropes leftover at the end should be applied to cotton on upwind borders or in “hot-spot” areas where pink bollworm is a traditional or potential problem.

# DISTRIBUTION PATTERN OF PB-ROPE L

Distribute rope dispensers as uniformly as possible within the field.

- 1) Choose rate per acre: 150 ropes/ac (example)

$$43,560 \text{ ft}^2/\text{ac} \div 150 \text{ ropes/ac} = 290.4 \text{ ft}^2/\text{rope}$$

- 2) Determine row width:

$$38\text{-inch row} = 3.17 \text{ ft/row}$$

$$40\text{-inch row} = 3.33 \text{ ft/row}$$

- 3) Calculate distribution pattern:

<b>38-inch rows</b> Treat every <u>n-th</u> row (x 3.17 ft =)	Distance btw treated rows (ft)	x	Distance btw ropes within a row (ft)	=	ft <sup>2</sup> per rope
5	15.8		18.4		290.4
6	19.0		15.3		290.4

<b>40-inch rows</b> Treat every <u>n-th</u> row (x 3.33 ft =)	Distance btw treated rows (ft)	x	Distance btw ropes within a row (ft)	=	ft <sup>2</sup> per rope
5	16.7		17.4		290.4
6	20.0		14.5		290.4

- 4) Measure number of paces per row-ft for accurate rope placement within a treated row. Use normal stride.
- 5) Treat all outside rows first.
- 6) Treat first and last plants within each treated row.
- 7) Place leftover dispensers along field edge on upwind side and along borders neighboring sources of PBW infestation.

# FIELD DISTRIBUTION PATTERN FOR PB-ROPE L

Distribute rope dispensers as uniformly as possible within the field.

- 1) Choose rate per acre: 200 ropes/ac (example)

$$43,560 \text{ ft}^2/\text{ac} \div 200 \text{ ropes/ac} = 217.8 \text{ ft}^2/\text{rope}$$

$$(4047 \text{ m}^2/\text{ac} \div 200 \text{ ropes/ac} = 20.2 \text{ m}^2/\text{rope})$$

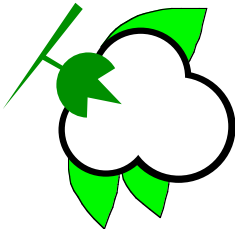
- 2) Determine row width: 40-in row = 3.33 ft/row (1.01 m)

- 3) Calculate distribution pattern:

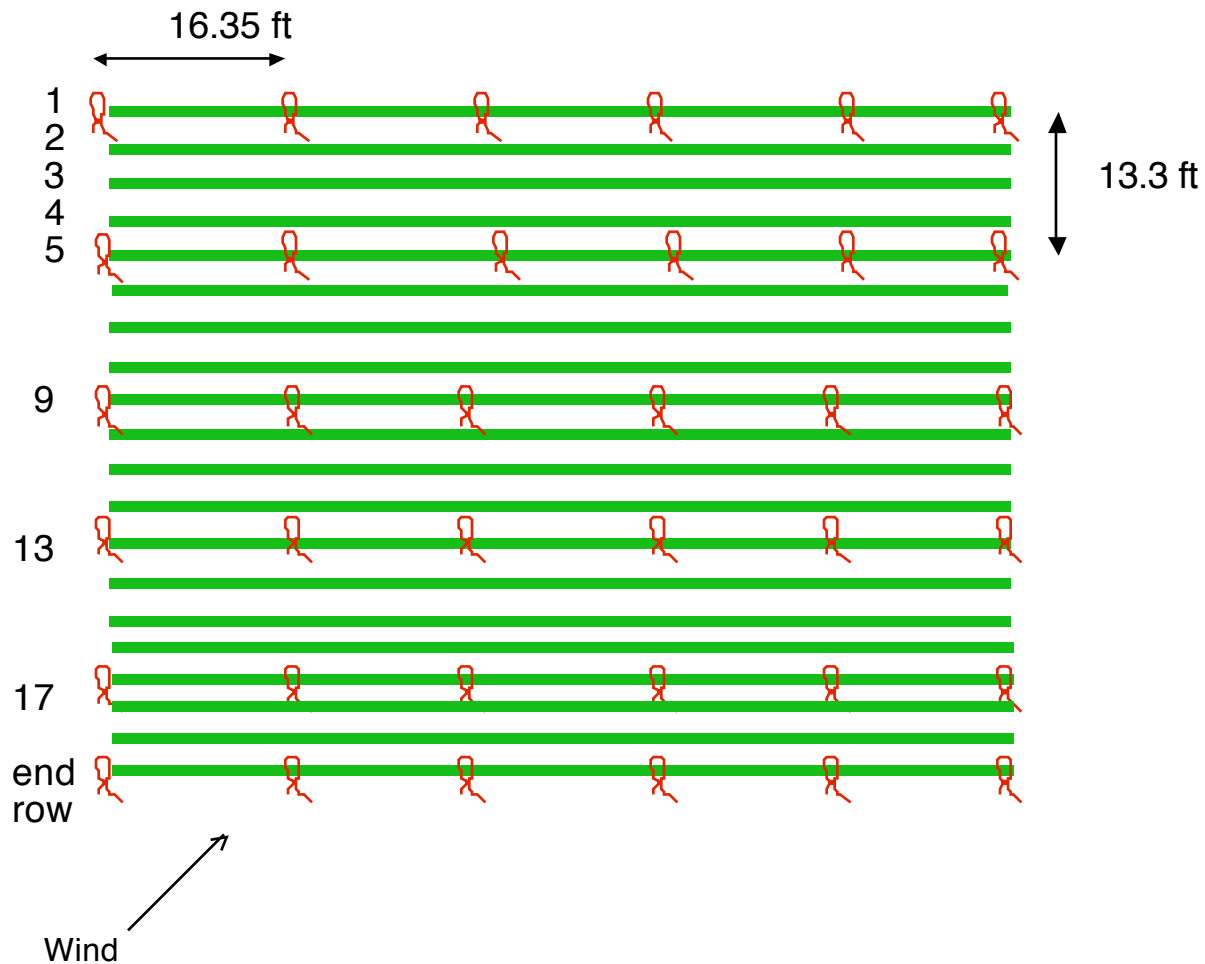
40-inch rows Treat every 4th row (x 3.3 ft =)	Distance btw treated rows in feet (m)	x	Distance btw ropes within a row in feet	=	ft <sup>2</sup> per rope
4	13.32 (4.1 m)		16.35 (5 m)		217.8 (20.2 m <sup>2</sup> )

- 4) Measure number of paces per row-ft for accurate rope placement within a treated row. Use normal, easy stride. (16.35 ft or 4.98 m is approximately 5 paces)
- 5) Treat all outside rows first.
- 6) Treat first and last plants within each treated row.
- 7) Place any leftover dispensers along field edge on upwind side and along borders neighboring sources of PBW infestation.

# FIELD DISTRIBUTION PATTERN FOR PB-ROPE L

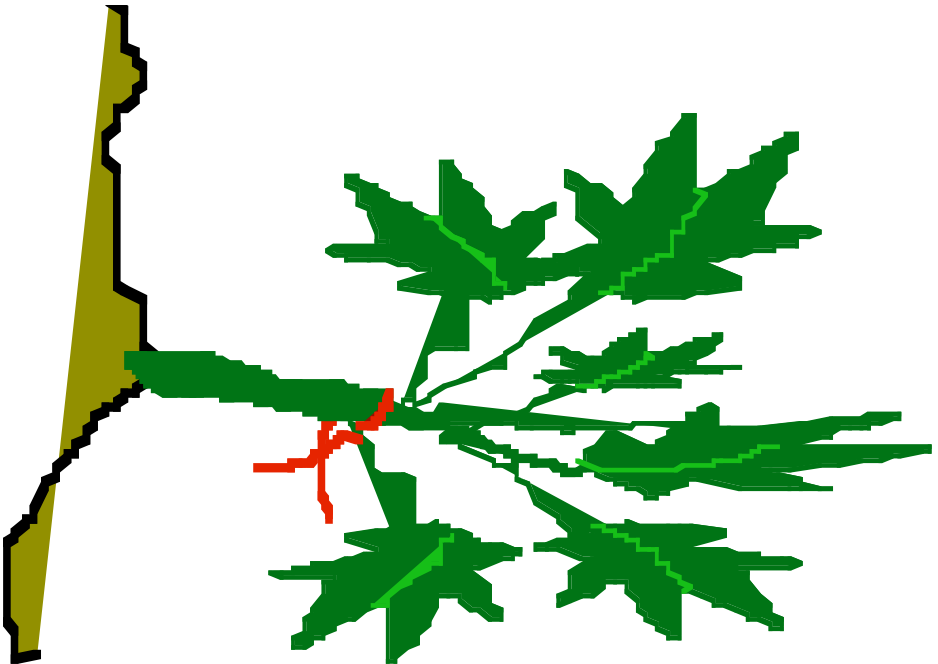


- Treat all outside rows.
- Treat first and last plant on every treated row.
- Twist Rope on plants every 16.35 ft (4.2 m) along every 4th row. (40-inch rows, 200 Ropes/acre)



- Any extra Ropes leftover at the end should be applied to cotton on upwind borders or in “hot-spot” areas where pink bollworm is a traditional or potential problem.

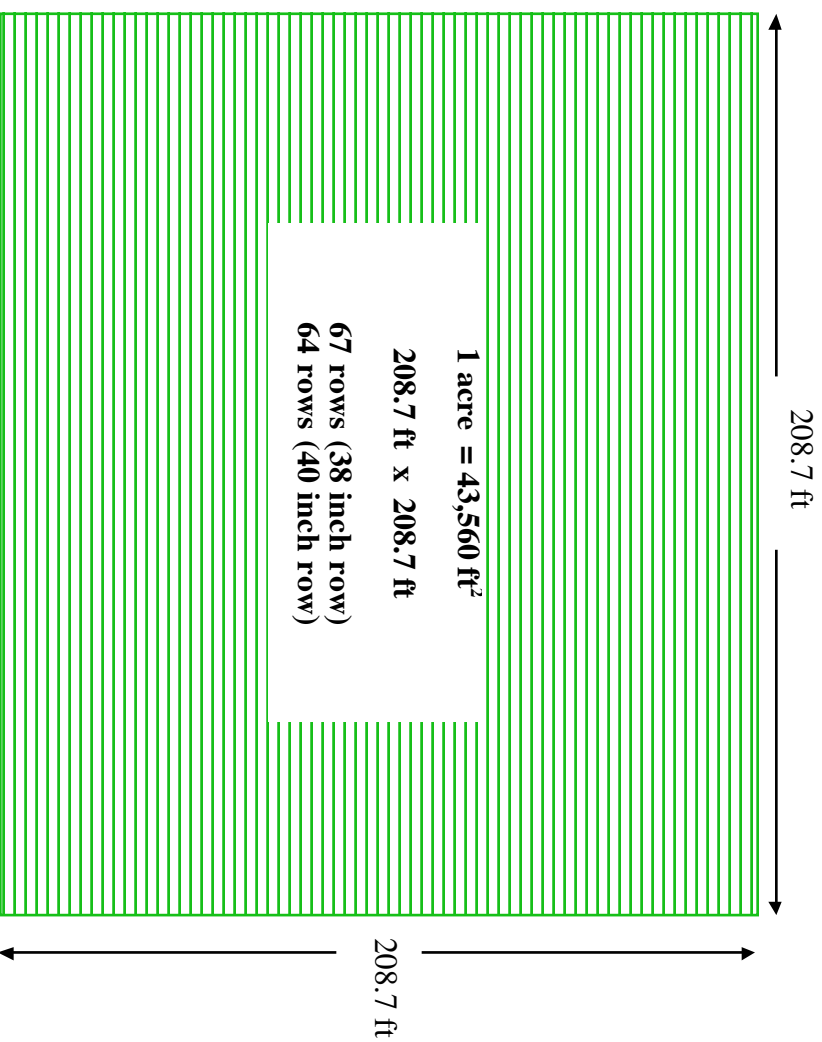
# APPLICATION OF PB-ROPE L



- Twist dispensers securely around main stem near bottom of plant.
- Apply prior to susceptible cotton square formation.

# DISTRIBUTION PATTERN OF PB-ROPE L

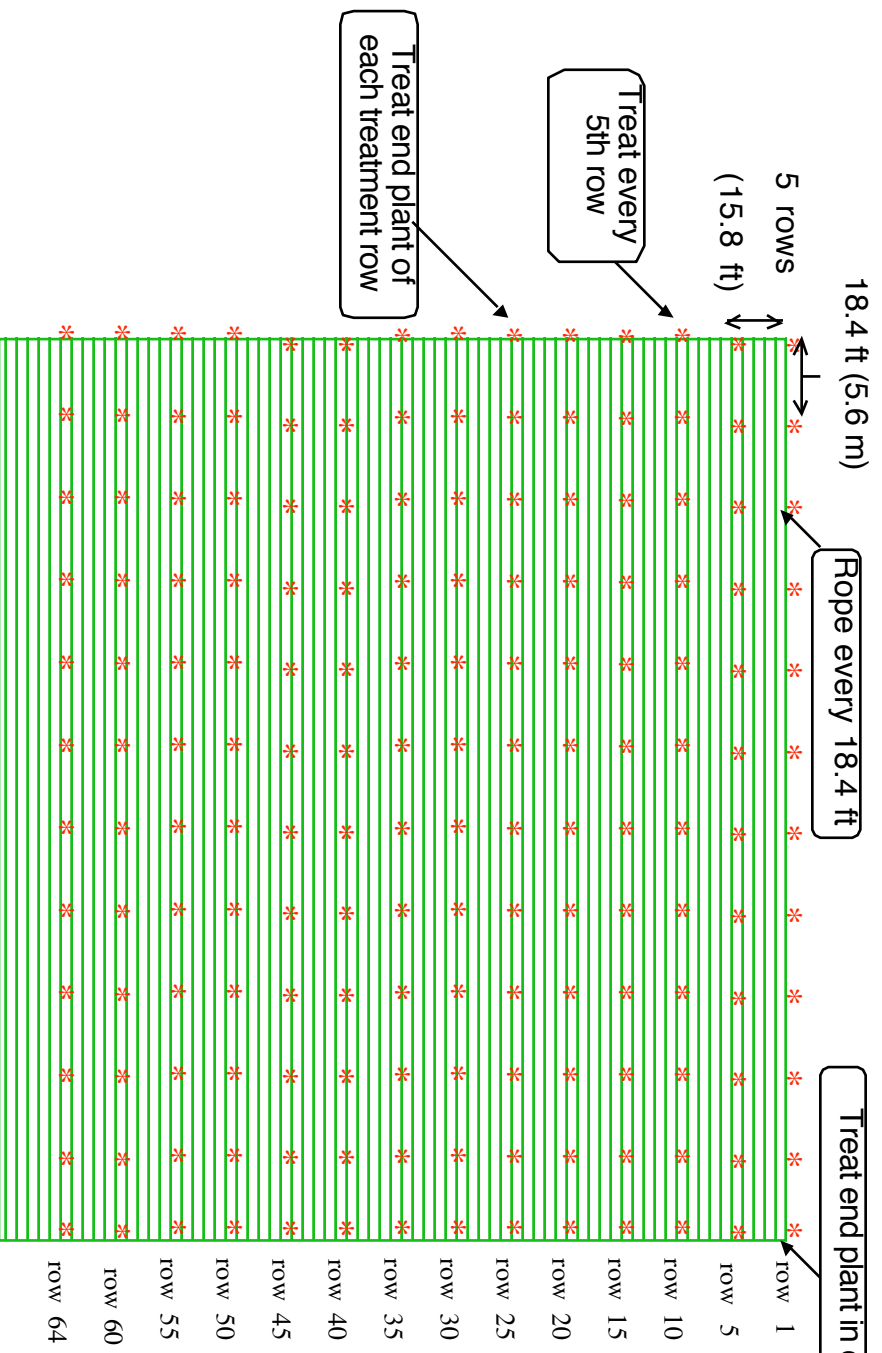
- Determine field size: \_\_\_\_\_ acres. (43,560 ft<sup>2</sup> per acre)
- Choose application rate: \_\_\_\_\_ dispensers per acre.
- Determine row width: \_\_\_\_\_ inches. (normally 38 or 40 inch rows)
- Determine number of walking paces per meter: \_\_\_\_\_ paces per meter.





# DISTRIBUTION PATTERN OF PB-ROPE L

- Example: 1 acre with 38 inch rows (208.7 ft x 208.7 ft) treated with 150 ropes per acre.
- Attach a rope every 18.4 ft (approximately every 6 paces) along every 5th row.
- First treat all outside rows and all end plants on each treated row.



**Note:**  
 Example rate is 150 ropes/ac but there are 168 ropes here.  
 12 columns x 14 rows = 168 ropes  
 Extra ropes are because all end rows are treated. This extra amount decreases as field size increases.  
 To compensate in small fields or less square fields, treat end rows first and lessen the number of dispensers in the field center.