

BENEFITS OF CLOSE SPACING LEPA

PLANT HEALTH

- Achieve a more uniform root zone coverage
- Increase yield using less water
- Help leach salts
- Avoid wetting plant canopy

"We seldom would get more hay on the second cutting, but with the LEPA bubblers, one pivot gave us 40 more (1700 lbs. or 771 kg) bales. The water in our area is high in calcium. LEPA bubblers get more water into the soil and help flush the salts deeper.

With in-canopy application, the salts don't rest on the crops, which help produce more and bigger leaves."

Nevada alfalfa grower



SAVE MONEY

- Low pressure systems can reduce pumping costs
- Qualifies for government funding in select areas
- Reduce potential rodent damage to crop and equipment over drip systems

"Because close spaced LEPA bubble systems run at 10 psi (0.69 bar), they consume very little energy. Because we don't have to run these systems as long as traditional sprinkler systems, our power bill went down."

Nevada alfalfa grower

"The reason I started doing close spacing is to get the pumping costs down and the sprinkler closer to the ground where you could use less horse power, less pressure to do the same thing as you used to do with sprinklers higher above."

California irrigation dealer



EFFECTIVE WATER USE

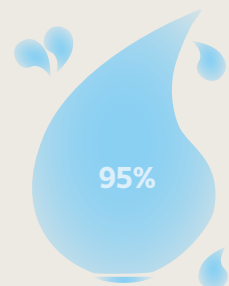
- Prevent wind-drift losses
- Minimize evaporation loss
- Apply the water needed in fewer pivot passes

"The low-to-ground delivery reduces wind drift and evaporative loss and the close spacing uniformly soaks the soil for good root development. I am amazed with what I can do for less." **Texas corn grower**

"We really had only enough water for a half circle but with the LEPA bubbler, we raised a full circle of corn with that same amount water - 250-300 gpm (57-68 m³/hr)."


Kansas corn grower

"We have a responsibility to ourselves and the next generation to grow with the most efficient use of water." **Kansas corn, wheat and milo grower**



CLOSE SPACING LEPA RECOMMENDATIONS

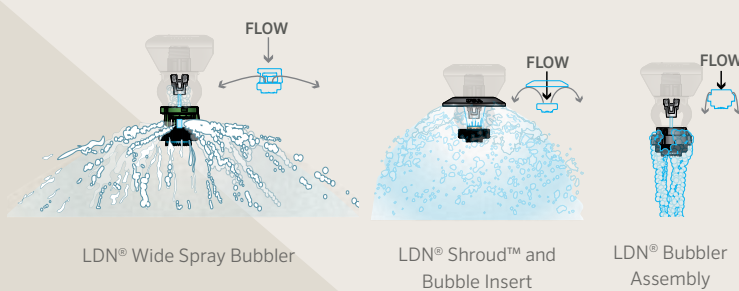
SOIL

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- Ideal for utilizing the maximum water holding capacity for a variety of soils
 - Conservation tillage is recommended to reduce soil surface evaporation and improve water infiltration
 - Soil moisture monitoring recommended to help prevent deep percolation losses



FIELD

- Ideal for level fields or those with a maximum slope of 1%
- LEPA bubblers can keep the water completely off the towers and reduce wheel track issues



COMPONENTS

- LDN with UP3 bubble pad or LDN with shroud with bubbler inserts
- Option to flip pad to spray mode for germination
- Single and double goosenecks with truss rod hose slings
- Pressure regulators to maintain optimum performance



CROP

- Suitable for various crops
- Circle planting not required



SYSTEM SET-UP

- Know your outlet spacing (call pivot manufacturer)
- Request a new sprinkler package for the drop spacing of up to 40" (102 cm) or 30" - 60" (76 - 152 cm) based on the LEPA model
- Sprinkler height of 8" - 18" (20 - 46 cm) above the ground (with loaded machine)