

WASTEWATER MANAGEMENT SOLUTION



SAFE, EFFICIENT APPLICATION THROUGH PIVOTS



A precise delivery system

Powerful benefits

Zimmatic® by Lindsay's Land Application Systems transform wastewater into valuable crop nutrients. By applying the crop nutrients (wastewater) as a fertilizer through automated irrigation systems, you're utilizing nature's method of recycling nutrients and water.

ZIMMATIC PIVOTS:

- Apply wastewater at precise, uniform rates
- Easily adjust to meet changing conditions
- Apply the right amount of crop nutrients
- Allow complete remote monitoring and control using FieldNET® by Lindsay wireless irrigation management
- Lindsay offers long-lasting pipeline solutions for corrosive water. High-quality materials (poly-lined, stainless steel or aluminum) and heavy-duty construction to provide trouble-free service year after year.

Proven versatility

The versatility of Zimmatic pivot and lateral systems has made land application both practical and cost-effective for many situations including:

- Municipalities with full primary, secondary and tertiary treatment
- Livestock feeding operations with only basic sedimentation before application
- Food processors and other industrial facilities

In addition, the Zimmatic pivot's ability to adapt to almost any field shape and operate on rolling terrain makes it possible to use land that may otherwise not be considered.



Payback potential

Pivot/lateral application converts wastewater from a liability into an asset increasing crop yields. Nutrients contained in the effluent can be used to replace most if not all of the commercial fertilizer normally required for optimal crop yields – which the grower is often willing to pay for.

Applying animal waste nutrients through pivots

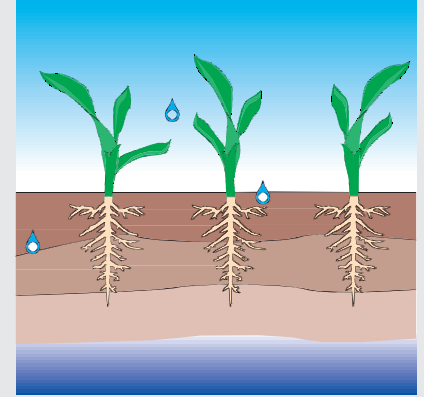
The more profitable choice

Using Zimmatic pivots and laterals is a low-cost method of handling manure and applying it as a valuable crop nutrient source. Pivots are able to handle a wide range of wastewater with the correct sprinkler package.

Pivots and laterals can apply nutrients uniformly anytime during the growing season. They are very easy to calibrate to apply the exact nutrients needed with the information from an ordinary lab report. Also, crop yields are usually increased with the uniform application of crop nutrients provided by manure.

BENEFITS

- Low cost method of recycling crop nutrients from wastewater
- Provides the most environmentally sound use for left-over nutrients and water
- Increases crop yields
- Pivots and laterals can also be used for irrigation
- Reduces purchased fertilizer costs and usage
- Helps prevent the leaching of nitrogen into the aquifer through more timely applications
- Reduces heavy equipment usage – no soil compaction
- Flexibility in timing of application – apply anytime even when the crop is growing
- High flow rates – up to 1000 GPM (63.1 liters/second) per pivot
- Excellent uniformity of application
- Easy to calibrate and apply the desired level of crop nutrients
- Lower labor requirements
- Low energy costs
- Simple to operate and maintain



Can your wastewater be land applied?

Most wastewater containing plant nutrients can be land applied. In fact in the case of livestock manure, the EPA recognizes land application as the best method of disposal/utilization. The state Department of Environmental Quality can help you determine if your wastewater can be land applied. During the permitting process the level of water treatment, if any, and the amount of land/crop production needed will be determined.

Most of the time the cost will be considerably lower to land apply the water containing the crop nutrients as compared to treating the water to a level that can be discharged to a stream. Returning the nutrients to the soil so they can be reused by the next crop is also the most environmentally sound method available.





The Lindsay Advantage

Zimmatic® by Lindsay offers proven systems and products that are built to be strong, long-lasting, durable and easy to use for growers who need highly efficient irrigation solutions. These systems can be enhanced with a family of integrated plug-and-play add-ons.

Growers around the world rely on Zimmatic's innovative technology support by a network of knowledgeable dealers to add value, reduce risk and take full advantage of every growing season.

To learn more about Zimmatic and application through pivots, visit www.zimmatic.com or contact your local Zimmatic® by Lindsay dealer.

To see Zimmatic pivot videos, go to youtube.com/lindsayirrigation



THE LINDSAY ADVANTAGE

DURABLE • RUGGED • EASY TO USE • INTEGRATED TECHNOLOGIES •
BROADEST LINE OF SOLUTIONS



2222 N. 111th St., Omaha, NE 68164 • 1-800-829-5300 • 1-402-829-6800 • www.lindsay.com

Lindsay USA: 2222 N. 111th St., Omaha, NE 68164 • **Lindsay Africa:** 6 Talana Close, Sacks Circle, Bellville South, 7530, South Africa

Lindsay Brazil: Rodovia Adhemar Pereira de Barros - SP 340 KM 153, 5 - Caixa Postal 1001 CEP 13804-830, Mogi-Mirim, Sao Paulo, Brazil

Lindsay Europe: L'Epinglerie 72300 La Chapelle d'Aligné, France • **Lindsay International BV:** Weena 278, Tower B, 7th floor, 3012 NJ Rotterdam

Russian Branch of Lindsay International BV: Russia, 350063 Krasnodar City, ul.Sovetskaya, 30, office 1202

Lindsay Sulama (Turkey): Karamehmet Mahallesi, Avrupa Serbest Bölgesi, 4.Cadde No3 Ergene-Tekirdag/TURKEY

Lindsay China Sales Office: Room 403, Building C Beijing Lufthansa Center Number 50, Lianmaqiao Road Chaoyang District Beijing, China 100125

Lindsay Australia Warehouse: Lindsay International (ANZ) Pty Ltd 19 Spencer Street Toowoomba QLD 4350

Lindsay NZ: 581 Taonui Road Feilding, 4775 6462120550



Lean, Clean and Green. Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



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ENG-1803 300 0316