

# Variable Rate Spreading

Athene + SL2





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# Nature called, it wants its nutrients back!

Athene + SL2

Manure is a valuable source of plant nutrients, but also a potential pollutant. Proper management of nutrients from commercial fertilizers and organic sources is important to protect our environment and to have economically and environmentally sustainable livestock operations. The modular nutrient management system from Topcon allows you flexibility and industry leading accuracy.



The Athene + SL2 system is easy to integrate with many third party systems and displays. The Topcon ISOBUS UT's provide increased functionality of variable rate from shape files, automated headland turns, as well as on-screen guidance and live coverage/spreading maps.

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**Variable rate spreading allows for better manure management, reducing the risk of phosphorus delivery from manured fields to water resources**

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**Universal compatibility (AEF ISOBUS Certified)**

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**Modular system starting with only the Scale Link weighing system providing constant accurate weight calibration**





## Solution Overview



1

### Console

X25, X35, XD,  
XD+, or ISO-UT  
compatible display



2

### Controller (SM-1)

SM-1 as integrated  
controllers/ECUs  
on spreader



3

### SL2 Interface/ Load Cells

Load cell interface and  
integrated load cells  
for accurate weight  
measurement



4

### Topcon Agriculture Platform (TAP) and Data Transfer Devices

Instant data transfer  
with CL devices  
Upload and unlock  
insights in TAP

“

There is a lot of value in manure if you can get it evenly applied. I think if you're going to be serious about spreading, it's (Athene + SL2) the only way spread.

”

**Jim Palmer**

Palmer Farms, Elm Creek, NE.





# Accurate Variable Rate Spreading

Reduce input costs, increase yields and verify how much is being hauled to each field.

Soils and landscapes vary within a field. Therefore, different parts of a field have varying requirements for nutrients to achieve optimum crop growth and yield. Unlike most commercial fertilizers — manure not only contains the macro nutrients nitrogen, phosphorus, potassium, it also contains organic matter, which helps maintain soil health and improves nutrient holding capacity. For every 1% increase in organic matter, you can have up to 50 lbs of nitrogen available for the next growing season. Athene + SL2 allows you to have accurate variable rate manure spreading with data logging, weight verification and digital farm management integration, plus it is ISOBUS compatible. **Get the most out of your manure.**

## Complementary Products



**Rooftop Receivers**  
AGM-1 manual guidance



**Steering Control**  
Retrofit steering solutions (AES-35 and Danfoss EHi Steering Valve)



**Correction Services**  
Full range through base stations (HiPer VR and MR-2) and reference station networks (TopNET)



**Cloud Connectivity Devices**  
CL-10 and CL-55 for automatic data upload to TAP



**Crop Health Monitoring**  
Nutrient sensor for optimized and on-the-go application



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7010-2317 A 8/20

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