

AERIAL  
SPREADING  
EQUIPMENT  
[imsheli.com](http://imsheli.com)



**GROUND-EFFECT**  
SPREADING BUCKET  
a product by IMS

# Ground-Effect Spreading Bucket

Designed to be strong, lightweight and to provide an even spread distribution. The **Ground-Effect Spreading Bucket** will ensure that your investment will provide maximum return.

The **Ground-Effect Spreading Bucket** has been successfully implemented into many countries throughout the world for a variety of applications.

With a strong network of representatives supporting various local markets the **Ground-Effect Spreading range** will prove to be an essential addition to any professional helicopter agricultural operation.



## An essential addition to any professional helicopter operation.



### Capacities

Part Number	Capacity (Liters)	Capacity (US Gallons)	Capacity (Cubic Feet)
GE200	200	53	7
GE300	300	79	10.6
GE350	350	92	12.4
GE400	400	106	14.1
GE560	560	148	19.8
GE650	650	172	22.9
GE750	750	198	26.5
GE950	950	251	33.5
GE1200	1200	316	40.6
GE1350	1350	355	45.9
GE1500	1500	396	53
GE1650	1650	436	58.3
GE2400	2400	634	84.7
GE2700	2700	713	95.3



# Granular Modulating Flow Control Bucket

With the **Modulating Flow Valve** in this series of the **Ground-Effect Spreading Bucket**, the pilot workload is reduced as the controller allows the output of the bucket to be maintained at correct rates while making adjustments in ground speed and application rates.

Extreme focus on maintaining ground speed to within 1-2 mph is no longer necessary. **The Modulating Flow Valve** will allow you to be more accurate around obstacles as you have the ability to reduce speed and focus on coverage of the harder to reach areas.

Utilizing variable rate technology has fast become a necessity for any professional agricultural operation around the world. This practice is not only cost effective for the farmers and growers, but also environmentally responsible as well.



**The Modulating Flow Valve** has been designed to work with Ag Nav and Tracmap on-board GPS.

Suitable for application of dry media at variable rates from 2kgs (4lbs) upto and over 300kgs (660lbs) per minute.

## Capacities

Part Number	Capacity (Liters)	Capacity (US Gallons)	Capacity (Cubic Feet)
GE200	200	53	7
GE300	300	79	10.6
GE350	350	92	12.4
GE400	400	106	14.1
GE560	560	148	19.8
GE650	650	172	22.9
GE750	750	198	26.5
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# Ground-Effect Spreading Accessories

**Ground-Effect Buckets** can be specifically designed for purpose including for pest and mosquito control.



## Hopper Lid

Robust Hopper lids are available for the entire **Ground-Effect** range.

## Spinner & Motor

A range of spinner and motor configurations are available to suit your specific application requirements. The team at IMS New Zealand will work with you to supply the optimum system for your needs.



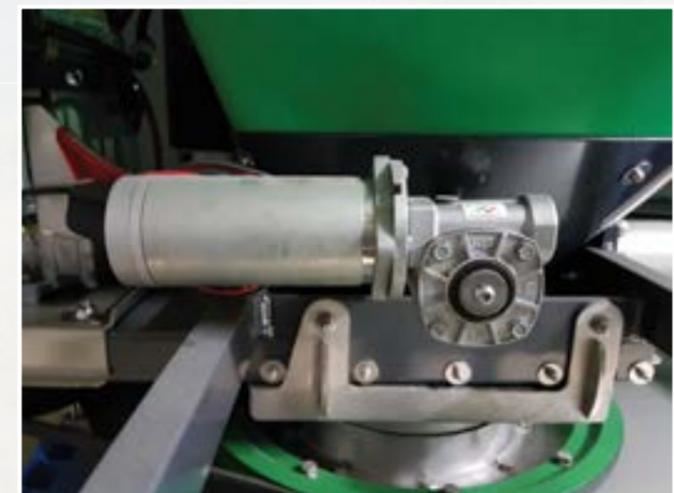
## Bucket Mounted Compressor

Used where bleed air from the aircraft is not available and compressed air is the preferred energy source for the slide valve operation.



## Product Agitator

Maximizes product flow to the spinner and reduces product bridging in hopper.



## Heavy Rate Applicator

IMS New Zealand have developed a **Heavy Application System** for applying bulk fertilizer products at rates in excess of 500 Kgs per Hectare (500lbs per Acre).

The **Bulk Application Bucket** operates on pneumatics powered by aircraft bleed air or a bucket mounted air compressor. Adjustment of the door opening position allows the operator to vary the application rate simply and quickly without the requirement of any special tools.

Agitator systems are also available for the **Bulk Application Bucket** which minimises the risk of product bridging or hanging up in the bucket.

This system is available in a range of sizes and comes complete with certified lifting lines, a spreader bar suited to your helicopter, and all wiring and airlines required to suit your helicopter configuration.

Contact us for information on a system that best suits your application.



### Capacities

Capacity (US Gallons)	Capacity (Liters)	Capacity (Cubic Feet)
106	400	14.1
119	450	15.9
132	500	17.6
145	550	19
158	600	21
171	650	23
184	700	24
250	950	33.5
277	1050	37
330	1250	44.1
356	1350	47.7
435	1650	58.2

## Concrete/Masonry Skip

A skip for placement of wet cement / masonry products that is available with manual door actuation or pneumatic door actuation.

**A robust and effective skip for a wide range of products.**

A full range of **underslung skips** are available to suit your specific needs with a range of volumes and release configurations including pneumatic and manual operation.

The tough and effective **Skips** are suitable for concrete positioning and masonry product handling and are available in mild steel and aluminum construction.



### Capacities

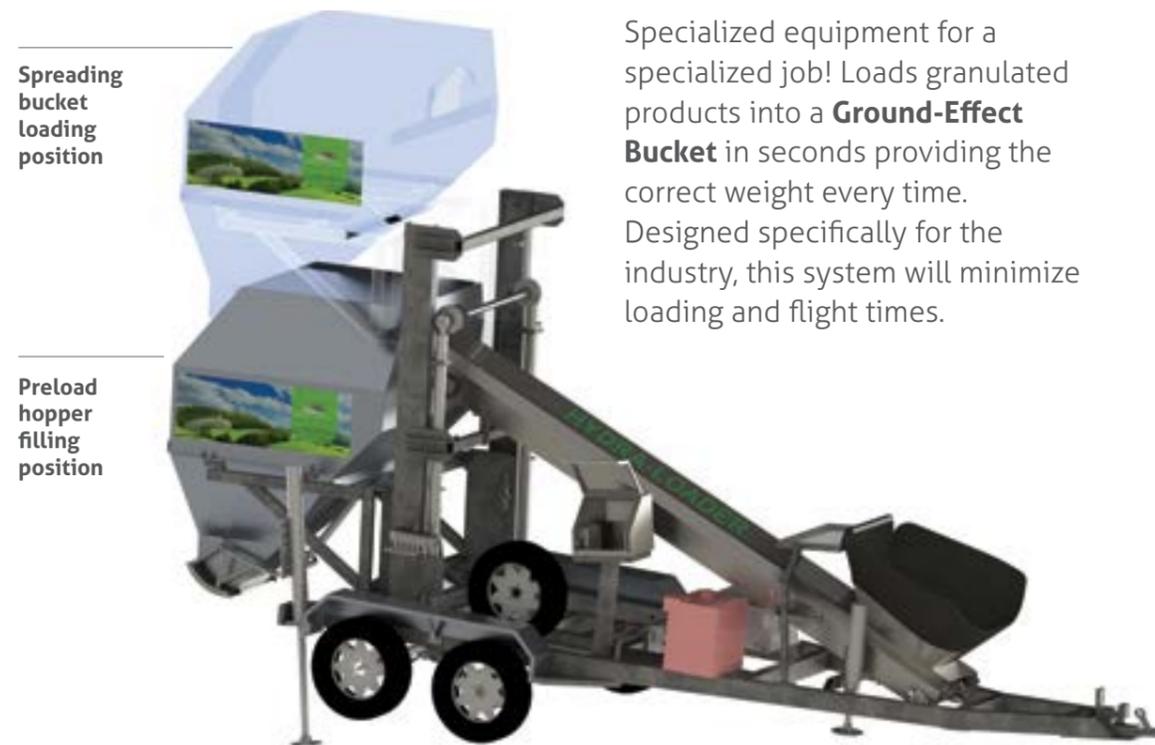
Capacity (US Gallons)	Capacity (Liters)	Capacity (Cubic Feet)
40	150	5.3
53	200	7
66	250	8.8
79	300	10.6
92	350	12.4
106	400	14.1
119	450	15.9
132	500	17.6
145	550	19
158	600	21
171	650	23
184	700	24

## Ground-Effect Conveyor Loader

Looking for a fast and effective way to load your **Ground-Effect Spreading Bucket**? Try our **Conveyor Loader**.

The **Ground-Effect Conveyor Loader** incorporates a digital load cell system to ensure precise bucket loading saving you time and ensuring effortless accuracy and consistency with each job.

Designed with the operator in mind it incorporates features to eliminate product waste, optimize efficiency and have low maintenance requirements.



Specialized equipment for a specialized job! Loads granulated products into a **Ground-Effect Bucket** in seconds providing the correct weight every time. Designed specifically for the industry, this system will minimize loading and flight times.

## Ground-Effect Fuel Trailer

The **Ground-Effect Fuel Trailer** is a certified tanker unit for remote access to Jet A1.

The tandem trailer has a capacity of 2000 liters (526 gallons) and has a diesel powered viton seal pump on board. The delivery system incorporates a full filtration system, flow metering unit, and an auto retracting reel with bowser nozzle. It also has a bonding reel for protection against static build up.

The **Ground-Effect Fuel Trailer** unit has been developed with ease of use and functionality built in, with additional baffling to avoid surging in any direction at any volume of fuel in the tank, fast delivery of fuel, ease of filling, and comfortable and safe towing with increased visibility for the vehicle driver of the tow vehicle.





**For all your helicopter equipment needs, contact us today!**



**IMS New Zealand Limited**

**P. +64 21 583 033 E. [imssales@imsheli.com](mailto:imssales@imsheli.com)**

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