



Airport product presentation

WBA meeting 5-9 December 2016 Amsterdam



Vanmac is manufacturer from the brand TRILO
www.trilo.com

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TRILO S4 with handheld hose and 1.8 meter brush head



Grass management at airports

- Bird strike management
- Long grass management
- FOD in grass
- Short grass management

TRILO S4 with handheld hose and 1.8 meter brush head



How to minimize bird strikes

- Spook them off
- Noise makers
- Lasers
- Radar
- Wild life control
- Grass management



Change living environment off the birds

- Maintain Grass Heights
 - Not nesting
 - Rat and mice can hide
- Take their food sources away
 - Cut out seed Heads
- Eliminate still standing water

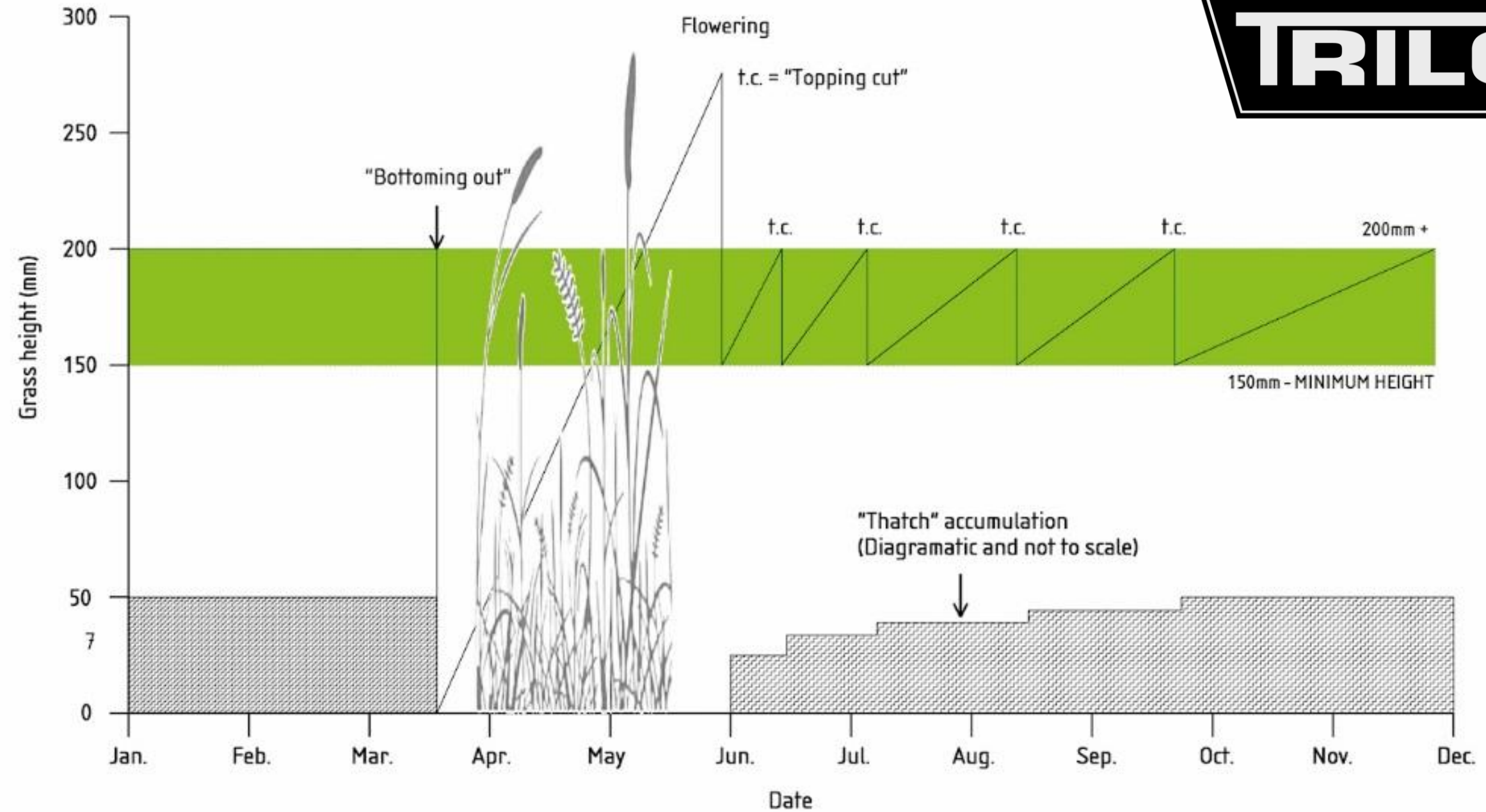


Grass management

- Use of Insecticides, these regulations vary by the nation.
- Fertilizer, will enhance root structure and grass density, reducing food availability.
- Turf varieties can be selected to reduce nutrition and palatability to grazing birds

TRILO S4 with handheld hose and 1.8 meter brush head

Airfield Grass Height by Date (mm)





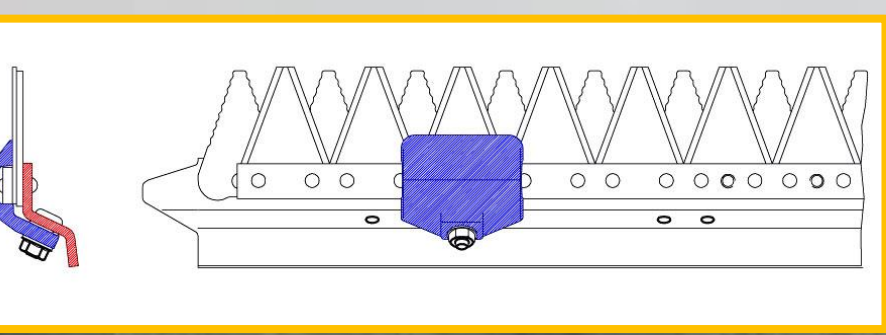
Long Grass management facts

- Cutting grass minimum 3 times a year
- Rat and mice etc. can hide for their predator
- When flowering, seedheads attracts small birds
- Hard for visual inspection
- Less cuttingcost (Fuel and labour)
- Different presentation from the airport

TRILO S4 with handheld hose and 1.8 meter brush head



Cutting grass with agricultural disc mower



Cutting grass with agricultural sickle bar



Cutting & mulching grass with rotary mower

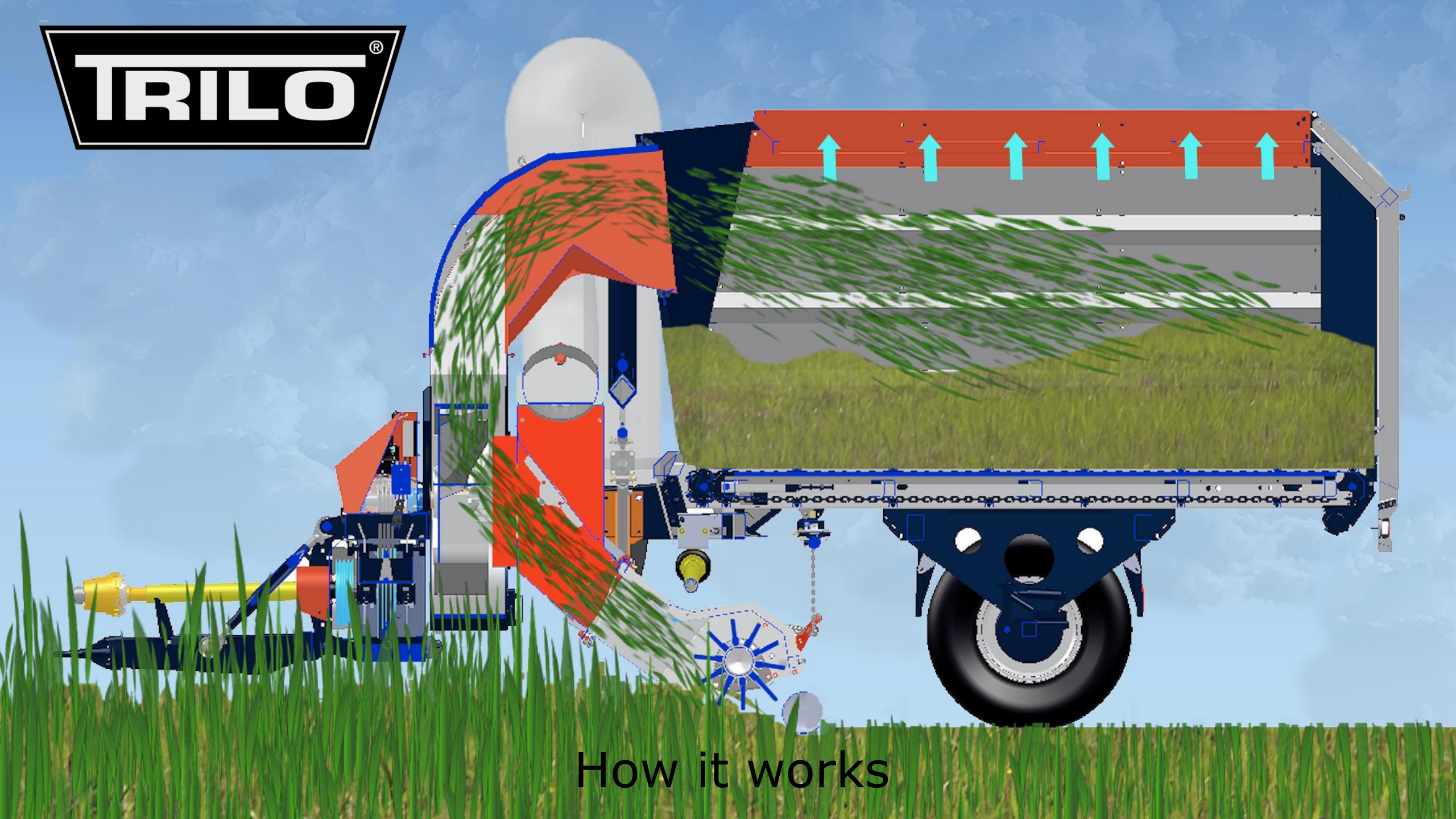


Grass clippings attracts insects, worms, snakes and rodents

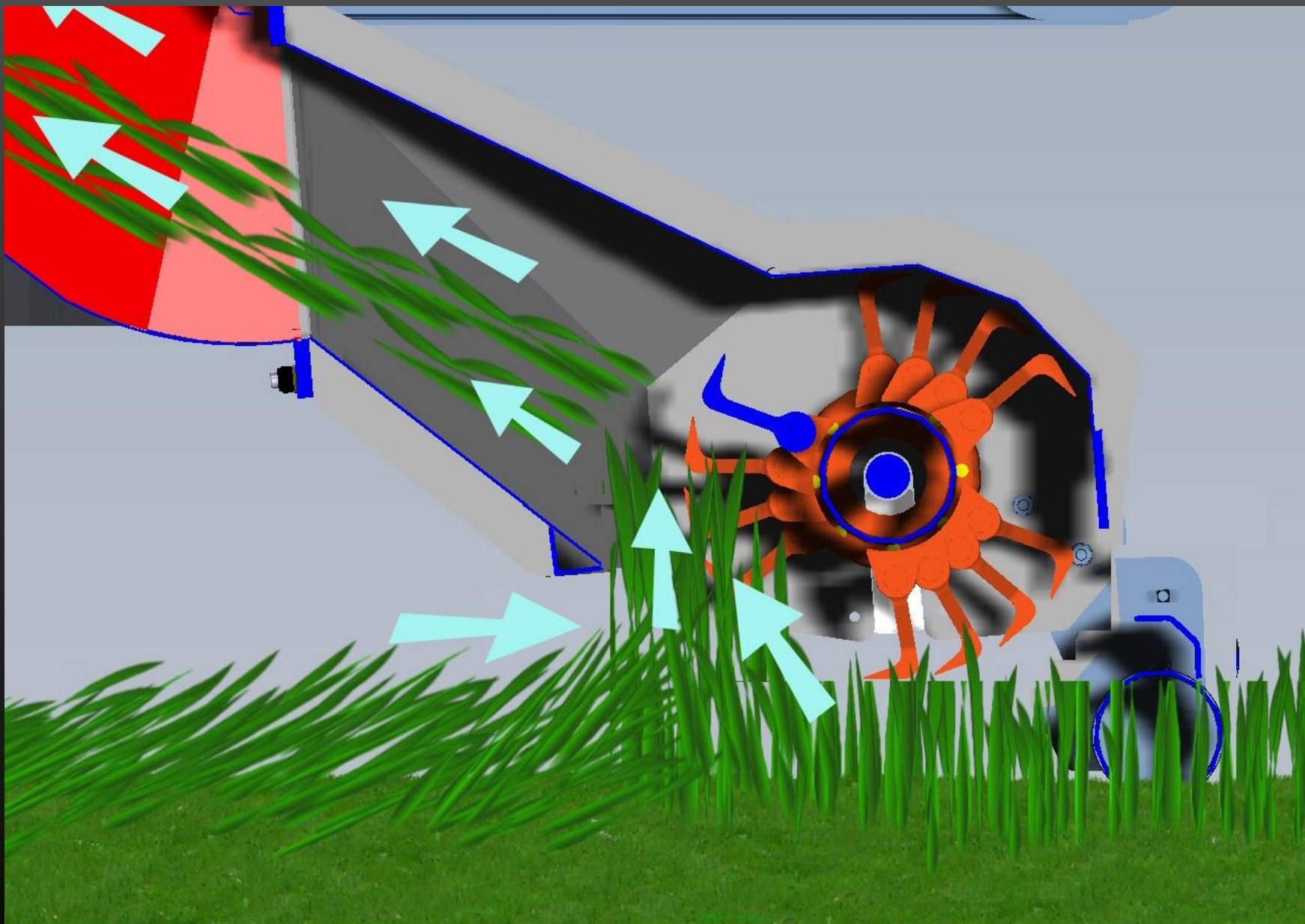




TRILO cut and collect system



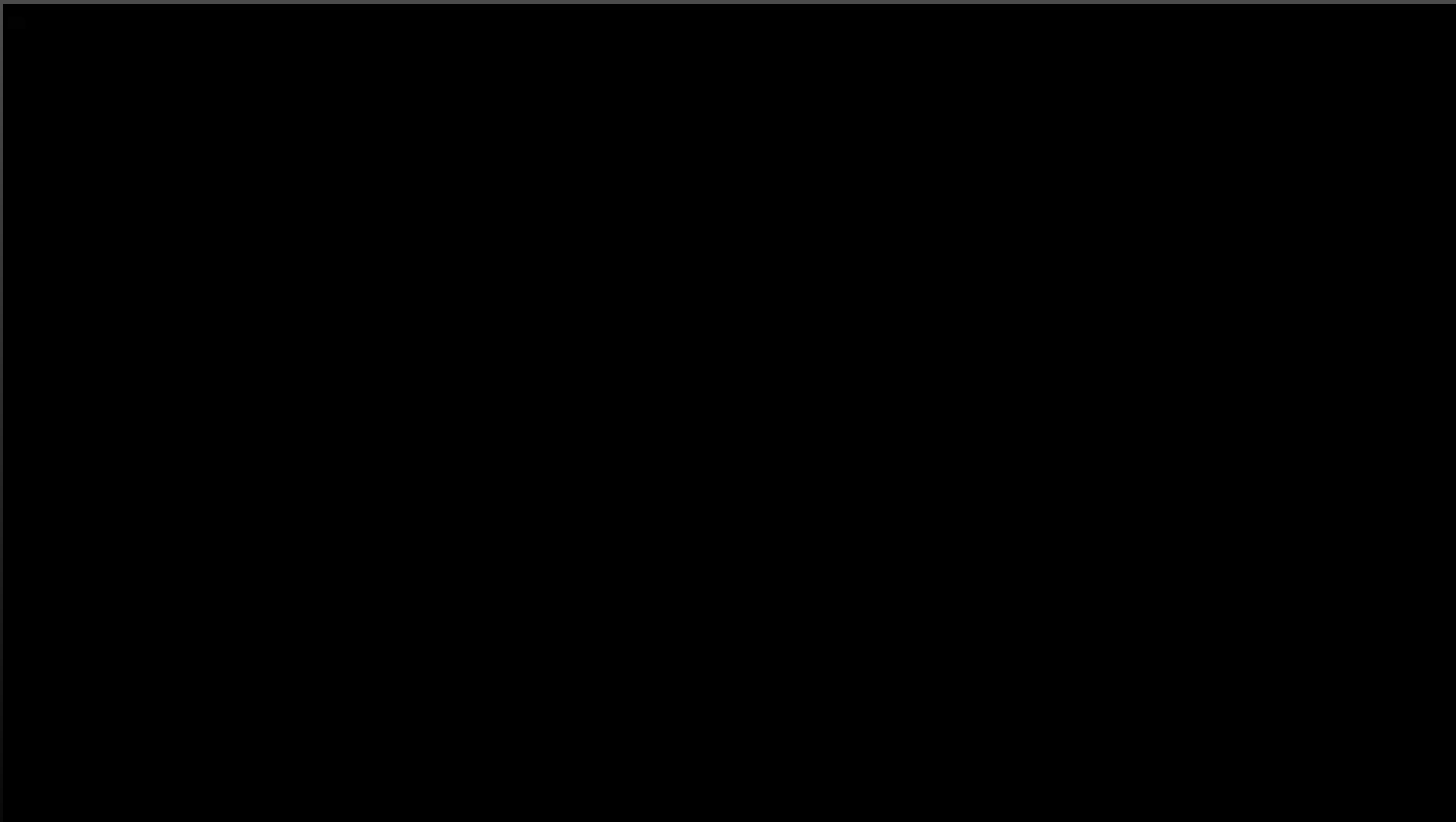
How it works

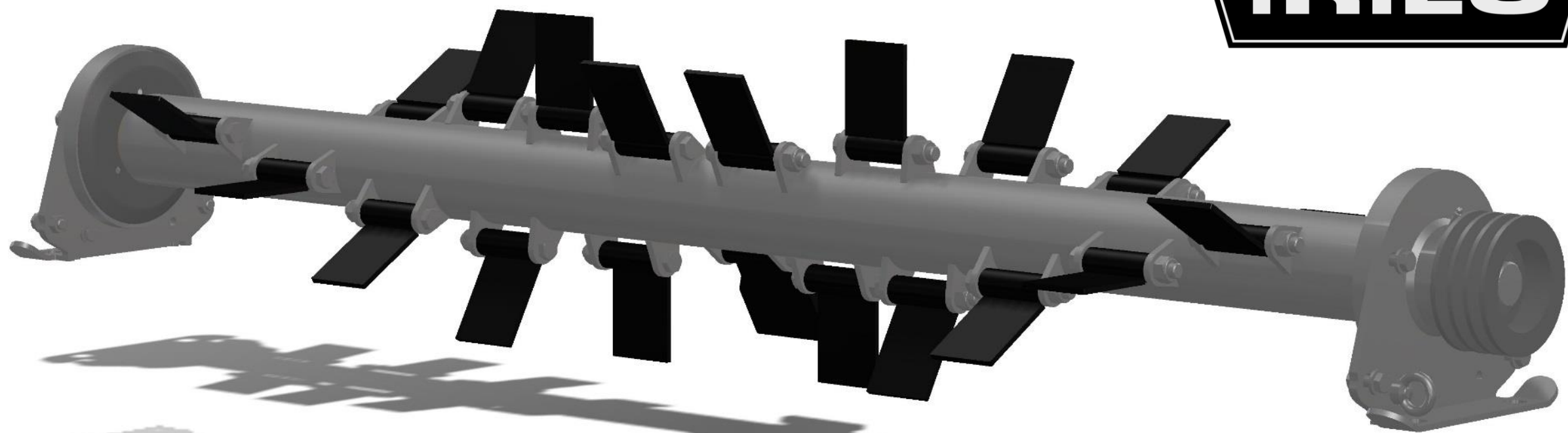


Cutting grass at 20 cm (8 inch) height



Cutting grass at height of 20 cm (8 inch)





Heavy duty flail shaft



Smaller machines for small airports



Trilo S10 cut and collect



The result 100% clean grass area with nice striping



FOD control in grass

TRILO S4 with handheld hose and 1.8 meter brush head



Collecting grass-clippings and FOD



Collecting grass clippings and FOD in one single pass



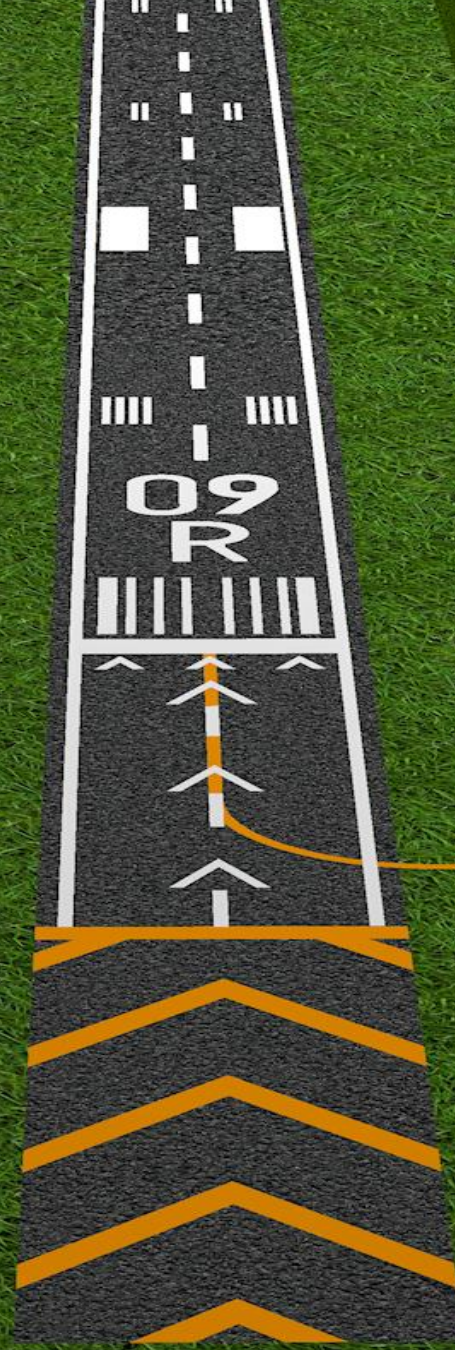


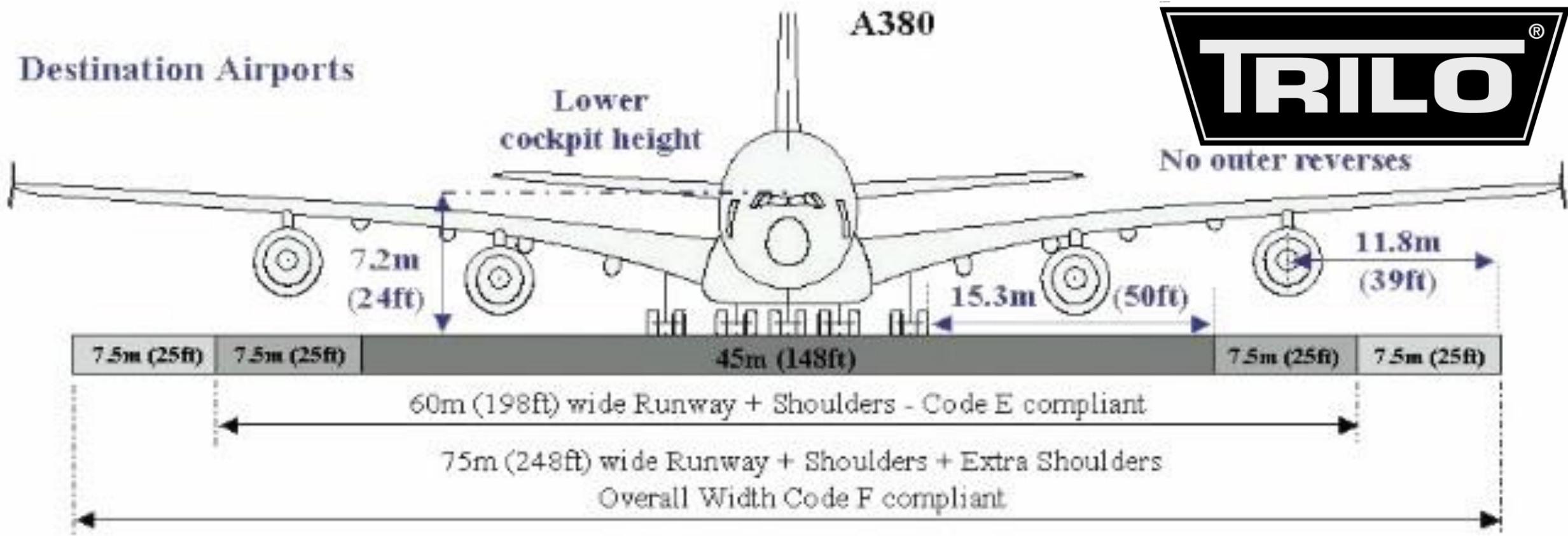


Short Grass management facts

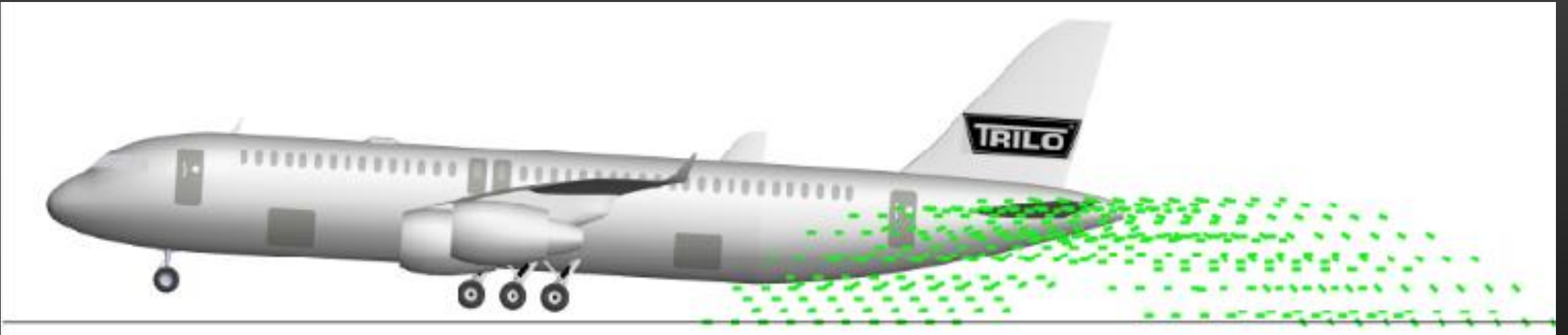
- Cutting grass every two weeks
- Eliminating vegetation removes food source
- Easy for visual inspection
- Machine available with high capacity
- Very effective on helicopter bases and next to the runway
- Nice presentation from your grass area

TRILO S4 with handheld hose and 1.8 meter brush head





Overhang engines



Engines will pick up grass clippings and FOD and
the jet blast blows it on the runway



Trilo S10 with 2.4 meter vacuum brush head



Trilo S12 with 3 meter wide vacuum brush head



Trilo S12 with 6 meter wide area collector

TRILO[®]





Collecting grass clipping at height of 10 cm (4 inch)



The result



Conclusion

- Grass area is like a garden you have to look after it.
- Trilo cut and collect system fast and efficient between apron and taxiway
- Trilo wide area collector very efficient next to the runway



Thank you for your attention

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