



# BUSINESS REPORT

Date: **22nd April 2025**

Business Reference: **BFS11146**

About the Business:

**Invest in a patented product which increases profitability dramatically in the agricultural sector**

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Problem statement- Conventional boom sprayers are extensively used in Broad Acres and Row Crop spraying, applying pesticides like insecticides, fungicides, herbicides, foliar feeds, biological stimulants and growth regulators.

The horizontal boom and nozzle arrangement makes use of nozzle type and pressure selection to determine the required flow rate (l/min) and desired droplet spectrum to achieve the intended results

Nozzles are broadly designed to be of the flat fan spray pattern type, delivering 80 to 110 degrees spray angle, overlapping spray patterns on the boom to ensure a uniform distribution of atomized spray over the target area

The selection of the correct design nozzle delivering the required droplet spectrum is critical to achieve the desired outcomes without unduly risking drift or run off loss, causing contamination and potential damage to neighbouring areas/crops

In all cases the projection of the droplet to the target is brought by the momentum of the droplet ie  $Mass \times Velocity$ . Higher pressure will increase velocity , but reduce size (mass) and vice versa, thus limiting the ability of creating enough momentum to reach the target size

## Invest in a patented product which increases profitability dramatically in the agricultural sector



Sector: **Investment Opportunity**

Asking Price:

**R 5,000,000**

Projected Monthly Profit:

**R 0**

Asset Value:

**R 0**

Stock Value:

**R 0**

Projected Yearly

Profit :

**R 0**



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## Products and Services

The solution to obtaining maximum coverage is to modify the air flow in the spray projection zone by the spray speed and the environmental head wind. This Product has been scientifically developed over years and the final product patented and ready to be introduced in the market.

The total average deposition achieved by this product was 3,5% , whilst the boom section without the product only achieved 0,34% deposition. This means that this product curtain IMPROVED DEPOSITION 10 FOLD!!

This points directly to a 10 fold decrease in off target spray ie drift and soil deposition- it thus supports both better UPPER and UNDER leaf deposition

## Financials and Forecasts

An investor is required to take this product to the market- this will be in SA/Africa/overseas countries focusing on agriculture

The patent owner will assist in the initial marketing documents/material and intial launch

Selling price: R5 Million and 15% of the NP for 10 years