

## **ADVANCING TECHNOLOGY DEVELOPMENT IN MODERN AGRICULTURE**





## CleanSeed CAPITAL GROUP



## **CLEAN SEED CAPITAL GROUP COMPANY OVERVIEW**

## **Vision and Mission**

To drive sustainable transformation of global agricultural production through the deployment of our SMART Seeder MAX<sup>™</sup> precision seeding and planting platforms, enhancing crop production outcomes while reducing environmental impacts.

## Who We Are

Clean Seed comprises of a team of thought leading innovators and seasoned executives driven by a commitment to sustainable and ethical food production. Leveraging our technology portfolio rooted in environmental stewardship, we balance increasing global crop production while minimizing product input to enhance farm profitability, social and environmental impact.









## WHY CLEAN SEED? **STRONG FOUNDATION AND TAILWINDS**

### **GAME CHANGING PRECISION COMMERCIAL** AGRICULTURAL EQUIPMENT

Developed proprietary precision seeding/ planting technology that is globally recognized by industry stakeholders, consumers and governments as holding significant differentiating advantages over current marketplace products.



## **COST REDUCING & YIELD INCREASING DISRUPTIVE TECHNOLOGIES**

SMART Seeder<sup>™</sup> technologies demonstrated across the world show to significantly reduce input costs and improve yields to increase farm cash.



EQUIPMENT MARKETPLACE

SMART Seeder MAX<sup>™</sup> and Mini-MAX<sup>™</sup> product lines directly address large commercial and small holder farms granting access to \$25B global marketplace.

## LICENSE AGREEMENT WITH MAHINDRA AND **MAHINDRA**

10 year (with 10 year renewable) License agreement with Mahindra & Mahindra (world's largest tractor manufacturer) for Mini-MAX™ product line in India, Africa, Turkey and SE Asia.





## **DEMAND FOR ADVANCED TECHNOLOGY TO PRODUCE MORE WITH LESS**

Strong worldwide demand for advanced agricultural equipment and technology that provides efficiencies, cost savings and increased food production/yield output on less land.



## INCREASING **ENVIRONMENTAL AND FOOD PRODUCTION PRESSURES**

Environmental pressures and mandates coupled with pressures of population growth & changing demographics are driving sustainable global crop production demands.



## **GLOBAL WHITE LABEL** MANUFACTURING AND **DISTRIBUTION AGREEMENT**

10 year ( with 10 year renewable) Manufacturing and Global Distribution agreement with Mahindra & Mahindra for flagship SMART Seeder MAX<sup>™</sup> components and white label Mini-MAX<sup>™</sup> product line.

## WORLD-WIDE **INTELLECTUAL PROPERTY** PROTECTION

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IP protection over competitive advantages in each major seeding and planting marketplace globally until 2033 to 2041.









## **CURRENTGLOBAL** AGRICULTURAL PRESSURES

### **INPUT COSTS AND** FLUCTUATING **GLOBAL SUPPLY**

**CURRENT SITUATION** High cost of fertilizers due to high cost of production and a fluctuating supply chain causing instability in the supply.

### **RISING FUEL COSTS** FLUCTUATING **GLOBAL SUPPLY**

**CURRENT SITUATION** Long term escalation of prices has direct effect on operational consumption as well as production of fertilizers required.

**CURRENT SITUATION** Imprecise placement and rampant overuse of fertilizers results in higher emissions of agricultural greenhouse gases.

### INCREASING CO<sup>2</sup> AND N<sub>2</sub>O EMISSIONS

CO.

### **DECLINING SOIL** BIODIVERSITY **FROM OVER-TILLING**

**CURRENT SITUATION** 

Over-tilling, overuse of fertilizers and overconditioning farm soils reduces biodiversity and causes irreparable soil damage.

### **RISING OUTPUT** NEEDS AND **GLOBAL SHORTAGE**

#### **CURRENT SITUATION**

Rising populations and increased global caloric consumption require the need to increase output of nutrient dense high quality crops.





## UNWAVERING GLOBAL DEMAND **MAXIMIZE GLOBAL FOOD PRODUCTION**

# POPULATION WILL REACH **BILLION**\* BY 2050

\* Source: United Nations Dept of Economic & Social Affairs

"I am convinced that only if we can take advantage of all technological opportunities can we safeguard the global food supply in the long term... we now need a second green revolution"



### **EVERYDAY THE WORLDS POPULATION INCREASES** BY

SANDRA E. PETERSON **CEO OF BAYER CROPSCIENCE AG** 

TO MEET FOOD DEMANDS, **GLOBAL AGRICULTURAL OUTPUT NEEDS TO INCREASE AS MUCH** 

AS



## SIGNIFICANT PRESSURES ON MODERNIZED FOOD PRODUCTION



Farm Expenses Explode



Agriculture Needs Digital Transformation



The cost of putting in a crop rose nearly 33%, Fertilizer costs up 47.5%



Farmers Cut Food Production As Costs Soar

FOOD PRODUCTION IS UNDER SIGNIFICANT PRESSURE TO BALANCE PROFITABILITY, INCREASED PRODUCTION, MINIMIZE ENVIRONMENTAL IMPACT AND COMPLY WITH FUTURE REGULATORY REQUIREMENTS.





Is Global Food Crisis A New Normal?



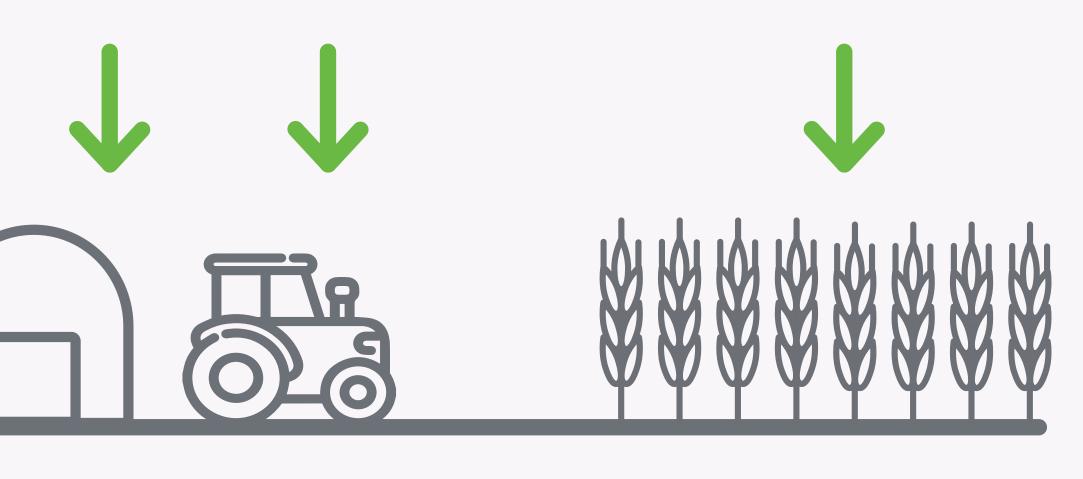
USDA Says High Farm Production Costs Not Easing



Fertilizer industry study, based on EU plan, points to yield losses for corn, canola, wheat



Canada under pressure to produce more food, protect agricultural land



# THE NEW BENCHMARK IN PRECISION SEEDING

# **35 35 35 3** HYDRAULICS



AWARD WINNING 60FT SMART SEEDER MAX™

## TOP TIER NORTH AMERICAN STRATEGIC JOINT VENTURE

Our Joint Venture combines Norwood's significant market experience, technologies, engineering, supply chain and manufacturing resources with Clean Seed's award-winning SMART technologies. Norwood produces several lines of proprietary equipment as well as manufactures for several major agricultural OEMs.





## A WIDELY RECOGNIZED MANUFACTURING FACILITY



Norwood's **180,000 square foot facilities** house the latest in **lasers, milling, robotic welding and powder coat paint line equipment**, along with a growing workforce of **over 150 employees**.



## GLOBALLY PATENTED ADVANCED SEEDING TECHNOLOGY

**SMART Seeder MAX** is rated as the new benchmark in highly advanced seeding and planting equipment that leverages big data to maximize outcomes and addresses today's agricultural pressures both on cost reduction and efficiencies as well as environmental footprint and sustainability.

CAPITAL INJECTED: To date, CAD\$30M has been invested in project

**INTELLECTUAL PROPERTY:** Robust IP portfolio in all major planting and seeding marketplaces globally



POWERFUL ONBOARD EDGE COMPUTING WITH AI INTEGRATION INTUITIVE SOFTWARE CONTROL SUITE FOR APPLE AND ANDROID DEVICES HIGH RESOLUTION SEEDING AND PLANTING STRATEGY/PRESCRIPTION DELIVERY PUSH BUTTON INTERCROPPING AND COVER CROPPING 60 ROWS OF INDEPENDENT VARIABLE RATE SEEDING

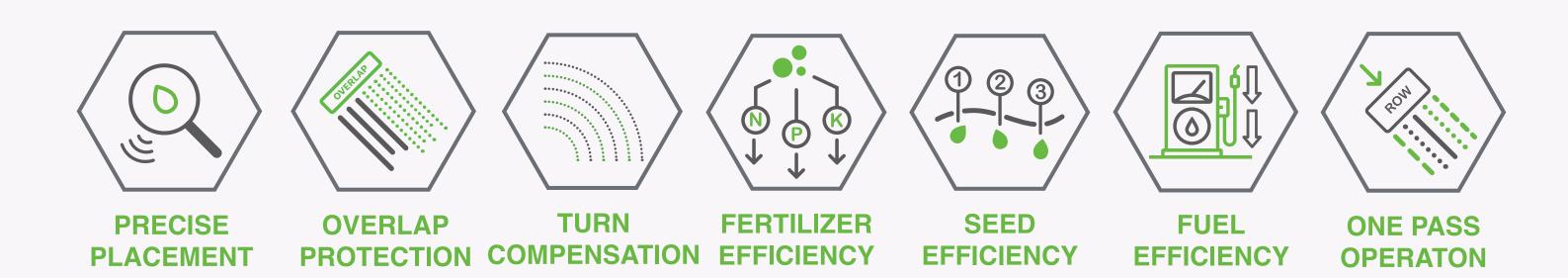


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## THINK OF IT AS THE THE WORLDS LARGEST CROPPRINTER



## **UNRIVALLED VALUE PROPOSITION INCREMENTAL PER CROP SAVINGS**



VS - ON PERACRE PREMIUM COMPETITIVE MODEL - ON PERACRE SAVINGS



AWARD WINNING 60FT SMART SEEDER MAX<sup>™</sup> **PRECISION SEEDING CANOLA AROUND OBJECTS** 



**PERACRE PLANTING COST FOR** 

\$1,660,000 (Total Planting Cost)

(Apply MAX<sup>™</sup> Savings)

\$315,400 (Single Planting Cost Reduction)

\*Source: Government of Manitoba



## NORTH AMERICAN TOUR **ALL EYES ON GAME CHANGING TECH**

**BC BUSINESS** 



Grainews







"When Steve Jobs held aloft the first iPhone, the reception was nothing short of adulation. Now, one local company may have just done for farming what Jobs did for the humble phone."

## Manitoba Co-operator







## **POWERFUL SUPPORT GROUPS** SMART SEEDER MINI-MAX<sup>™</sup> IN INDIA







## CATALYTIC STRATEGIC AGREEMENT WITH THE WORLDS LARGEST TRACTOR MANUFACTURER

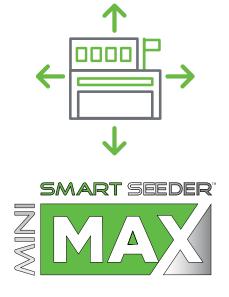
## Mahindra Rise.



## TECHNOLOGY LICENSE AGREEMENT

Exclusive right to: India, Africa, Turkey and most of Asia.

Non Exclusive rights to the rest of the world.



## MANUFACTURING AND DISTRIBUTION AGREEMENT

Cost+ manufacturing for Mini-MAX<sup>™</sup> and SMART Seeder MAX<sup>™</sup> components.

**Global shipping and delivery.** 



Mahindra's Farm Equipment Sector (FES) is the world's largest tractor company by volume and owns India's two largest selling tractor brands. With a presence in over 50 countries, Mahindra FES has technology centres in Japan, Turkey, Finland and India, with a wide range of tractors and a growing presence in farm machinery for crops across the value chain.

- WORLDS LARGEST TRACTOR MANUFACTURER BY VOLUME.
- INDIAN MULTINATIONAL AUTOMOTIVE MANUFACTURING CORP.
- 17TH TOP COMPANY IN INDIA BY FORTUNE INDIA 500
- ONE OF THE LARGEST VEHICLE MANUFACTURERS BY PRODUCTION IN INDIA.



## FLAGSHIP COMMERCIAL TECHNOLOGY **COMPACT PACKAGE**

seeding technology to small holder commercial farms.



**12FT SMART SEEDER MINI-MAX™** 



## **5FT SMART SEEDER MINI-MAX™**





## INTERNATIONAL SALES MOMENTUM MINI-MAX™ SEEDER



# PURCHASE ORDER 1000 UNITS

## Who is Northern Farmers?

Northern Farmers Mega FPO is a leading organization of 43 Farmer Cooperatives (FPOs) involving more than 12,000 farmer members from 4 States in North India. They work closely with respective State Governments, Industry Chambers, Agriculture Universities & Industry Partners.







## **BOARD OF DIRECTORS CLEAN SEED TEAM**



### CHAIRMAN,CEO AND DIRECTOR

#### **INDEPENDENT** DIRECTOR

#### **GRAEME LEMPRIERE**

Founder of Clean Seed

30+ years of experience in corporate and financial entrepreneurship

Grew company to become a top performer on the TSX Venture 50 two years in a row

Drove growth through strategic intellectual property initiatives

#### **DR. ULRICH TROGELE**

36+ year leadership career in agribusiness

Significant M&A experience

Former Chief Operating Officer & Executive V.P of American Vanguard Corporation (NYSE: AVD)

Former President & General Manager, Bayer Crop Sciences.





#### **INDEPENDENT** DIRECTOR

#### **GARY ANDERSON**

Cofounder of Ag Growth International (TSX: AGI)

Significant Organic growth and M&A experience

40+ years of leadership and manufacturing expertise

AGI became a global agricultural leader with state-of-the-art global manufacturing facilities

#### **INDEPENDENT** DIRECTOR

#### **GLENN GATCLIFFE**

20+ years of experience including M&A;

Former managing director, head of consumer, agriculture, chemicals, and manufacturing at Raymond James, and

Former Managing director, agriculture, and fertilizer for BMO Capital Markets.







## SENIOR MANAGEMENT CLEAN SEED TEAM



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## VP, MARKETING AND BUSINESS DEVELOPMENT

#### **NOEL LEMPRIERE**

25+ years of expertise in marketing and business development for public and private companies

Extensive background with globally recognized brands and events

Fundamental to the development of the Clean Seed, SMART Seeder<sup>™</sup> and SeedSync<sup>™</sup> brands



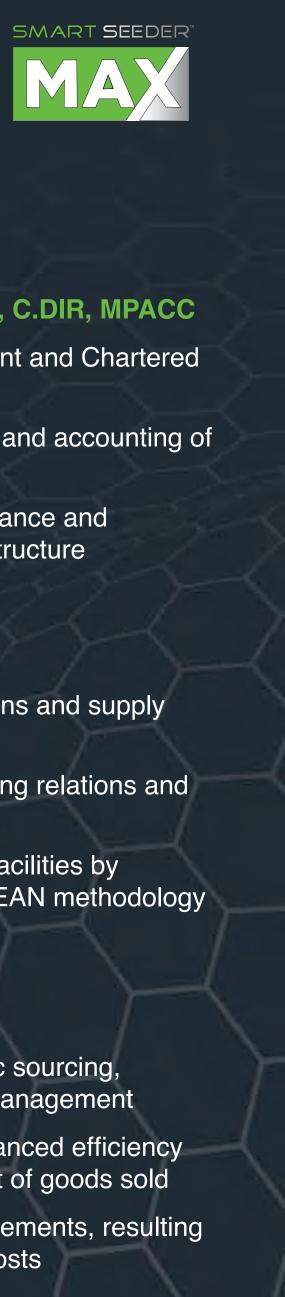
## VP, SOFTWARE AND DIGTAL TECHNOLOGIES

#### **JARROD GODDARD**

20+ years of expertise as an award-winning technology entrepreneur

Developer of leading revenue generating software for major media companies

Integral team member of multi-billion-dollar online gaming platform





CFO AND CORPORATE SECRETARY

#### • **STEVEN BRASSARD, CPA, CA, C.DIR, MPACC**

Chartered Professional Accountant and Chartered Director

15+ years of expertise in finance and accounting of public and private companies

Extensive experience building finance and accounting operations and infrastructure

#### JEET JHEETY

15+ years of expertise in operations and supply chain management

10+ years of experience in fostering relations and scaling innovation

Transformed several production facilities by introducing one-piece-flow and LEAN methodology



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GLOBAL SOURCING AND PROCURMENT

#### **RAMESH THIRUMLAI**

18+ years of expertise in strategic sourcing, procurement, and supply chain management

Transformed operations and enhanced efficiency achieving a 20% reduction in cost of goods sold

Negotiated key supply chain agreements, resulting in a 25% decrease in purchase costs





тsx venture EXCHANGE













## **FULLY DILUTED** 98,206,869

## **FINANCIAL YEAR END** JUNE 30

## **OPTIONS** 500,000

# ISIN CA 18451F1027

## **CONVERTIBLE DEBENTURES** 2,650,000

## **CUSIP NUMBER** 18451F 10 2

## **CAPITAL STRUCTURE** INFORMATION



