



ARCHITECTS OF THE WORLDS MOST ADVANCED SEEDING AND PLANTING TECHNOLOGY

Corporate Summary
2021/2022

OUR MISSION

To continue pioneering the agricultural innovation revolution through the development and implementation of highly advanced seeding and planting platforms, powered by robust software and digital communications solutions, and other synergistic technologies that continue to set new standards in the fundamental shift towards the large scale adoption of technology enabled agricultural equipment to the long term benefit of all farmers.

ABOUT US

Clean Seed Capital Group Ltd. is a TSX Venture listed company that has designed, developed, tested and patented a revolutionary seeding and planting technology solution that will disrupt the global marketplace.



MARKET OPPORTUNITY

SCALABLE TO ADDRESS THE

**\$19 BILLION
GLOBAL**

PLANTING AND SEEDING
MARKETPLACE AND PLAY
A CENTRAL ROLE IN

**\$9 BILLION
PRECISION AG**

CAPITAL STRUCTURE INFORMATION

STOCK EXCHANGE
TSX VENTURE | OTCQB

COMMON SHARES ISSUED
83,098,645

INCENTIVE OPTIONS
5,403,100

WARRANTS
6,032,145

FULLY DILUTED
94,533,890

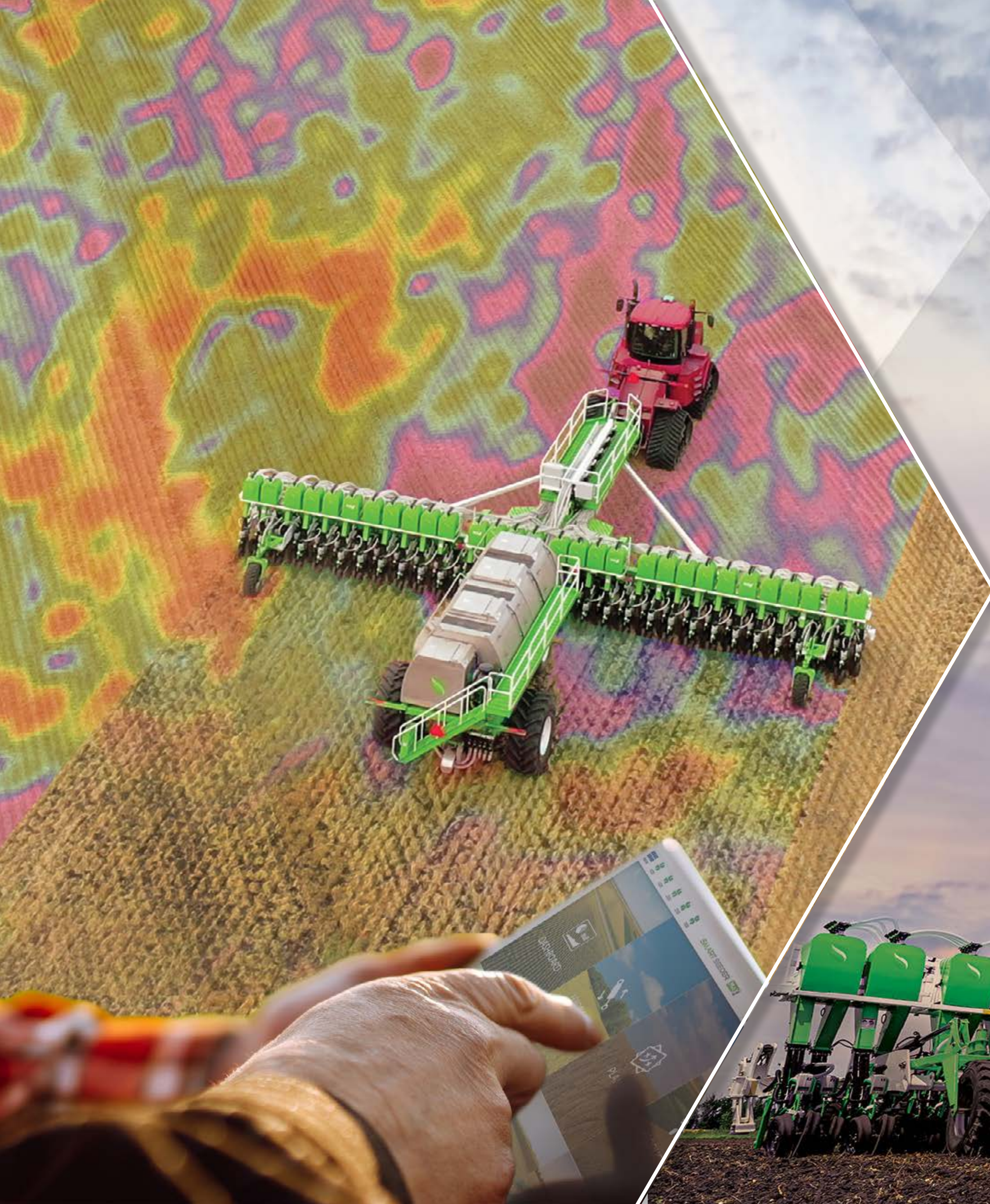
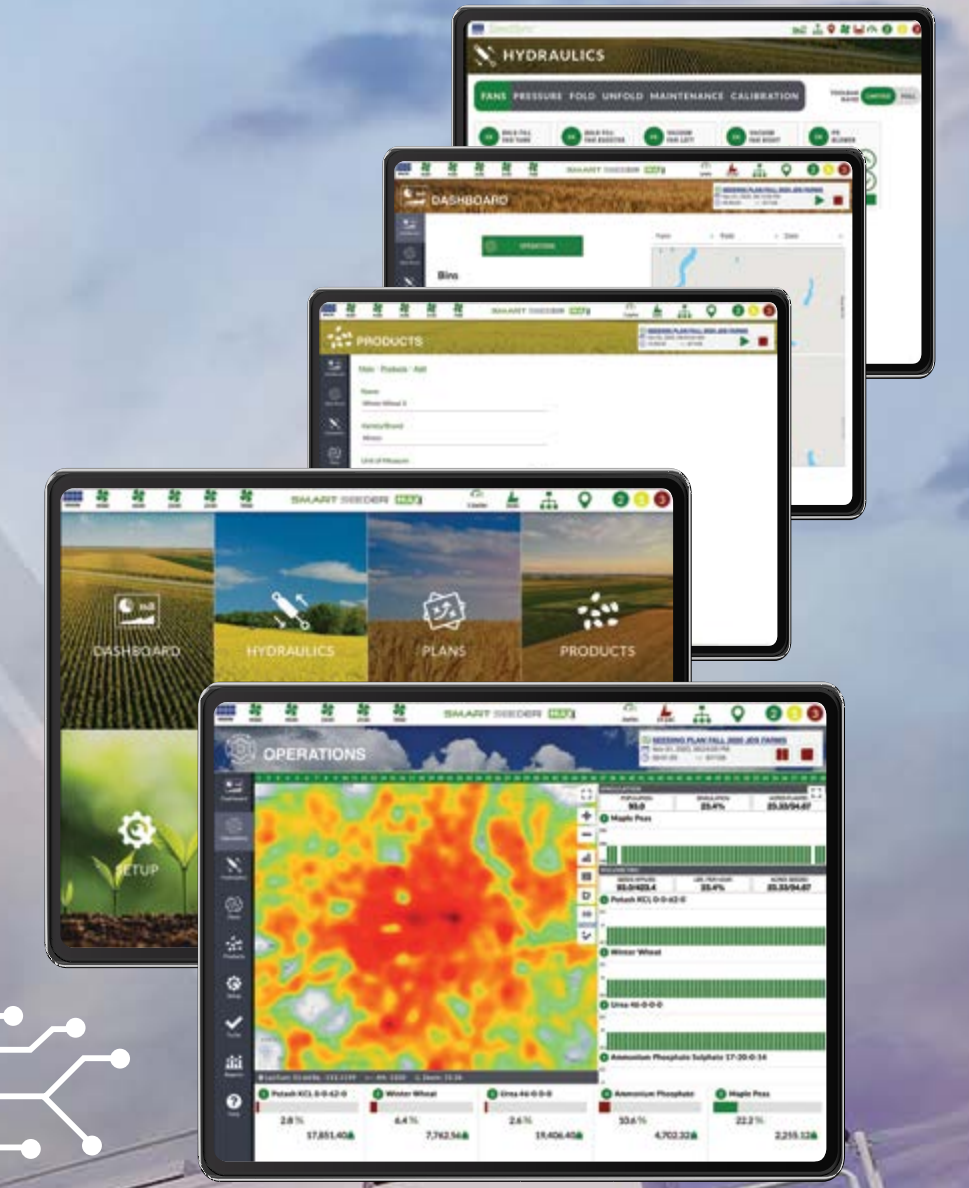
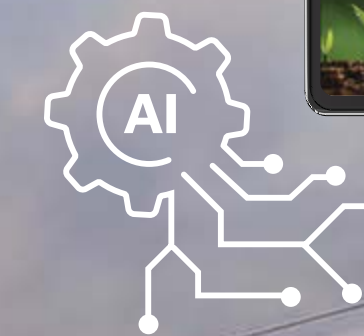
FINANCIAL YEAR END
JUNE 30

SMART SEEDER MAX™ THE NEW BENCHMARK IN PRECISION SEEDING AND PLANTING TECHNOLOGY

SMART SEEDER
MAX

SeedSync™
Unleash the power of agronomy

GAME CHANGING TECHNOLOGY
AND SOFTWARE INNOVATIONS
POISED TO TAKE OVER THE MARKET



SIGNIFICANT NORTH AMERICAN NEAR TERM
MARKET OPPORTUNITY

\$5+ BILLION
COMBINED
ADDRESSABLE MARKET

\$1.3 BILLION
PRECISION
SEEDING MARKET



**NEAR TERM ADDRESSABLE MARKET
NORTH AMERICAN PRODUCERS**

There are approximately 14,000 air seeders currently in use in the Northern Great Plains area between Canada and the United States, none of which provide the technology features or precision of the SMART Seeder MAX™.



**UNITED STATES OF AMERICA
EXPLOSIVE MARKET OPPORTUNITIES**

Leverage our proven technology development and innovative track record and cross pollinate our technology into US precision planter markets.

\$4 BILLION
PRECISION
PLANTING MARKET



**SMART SEEDER MAX™
PRODUCT POSITIONING**

FEATURE PREMIUM PRICE
PRODUCT RESALE DEPRECIATION
CUSTOMER EXPERIENCE-QUALITY
SUPPORTING DEALER NETWORK
PROVEN ROI OF PRODUCT
VALUE-CAPACITY FEATURES



MAX S
\$850K

MAX 5
\$750K

MAX 4
\$620K



SMART SEEDER MAX™ TECHNOLOGICAL ADVANTAGES

Our technology is the only seeding and planting solution that can facilitate the absolute integration and realization of big data and artificial intelligence into the full cycle farming operations with a clear return on investment for the farmer.



SOFTWARE AND ARTIFICIAL INTELLIGENCE

SeedSync™ sophisticated operations dashboard offers unrivalled control of the seeding operation of SMART Seeder MAX™ and SMART Seeder MAX-S™ providing accurate telemetry of ongoing singulation and volumetric seeding output and prescription input control.



UNMATCHED PRECISION ROW BY ROW ELECTRIC PRODUCT METERING

The SMART Seeder MAX™ has a unique variable rate delivery system, applying precise rates for up to five different products, independently at each opener over the span of the entire drill. With infinite row by row variable product resolution from zero to 250 lbs of product per product per row up to 1000 lbs of product per acre.*

*Based on 4.5 mph operating speed



GROUND ENGAGING UNIQUE AND DISRUPTIVE FEATURES

Unique opener with Coulter and shank combination works for all field conditions with effective field trash flow through staggered rows and rotating offset. Easy to adjust depth and down force control with six selectable in ground product placement options for max productivity. Seed safe 2.5" vertical separation of in furrow fertility for root zone variable spacing at 12", 24" and 36" with DX opener lockup.



**INCREASES PROFITS
AND MARGINS**

**INCREASES
YIELDS**

**INCREASES
INPUT**

**OVERLAP
PROTECTION**

**INCREASES PRECISION OF
PRODUCT PLACEMENT**

**REDUCES SEED AND
FERTILIZER INPUT COSTS**

**REDUCES FUEL COST
PER PLANTING**

**REDUCES IN FIELD
OPERATIONS TIME**

**REDUCES
ENVIRONMENTAL IMPACT**



**THE SMART SEEDER MAX™ TECHNOLOGY
WILL SUPPORT GLOBAL FOOD PRODUCTION**



TSX.V: **CSX**

OTC Markets

OTCQB: **CLGPF**





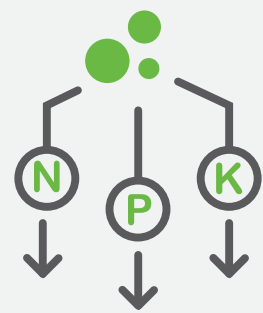
AGRICULTURE
PRODUCTION
ACCOUNTS FOR **26%**
**GREENHOUSE
GAS EMISSIONS**

*ourworldindata.org

ENVIRONMENTAL IMPACTS AND SUSTAINABILITY



**SMART SEEDER MAX™ DELIVERS SIGNIFICANT
POSITIVE IMPACT ON THE ENVIRONMENT**



EMISSIONS REDUCTION

THE CHALLENGE:

Nitrous Oxide (N₂O) is one of the most environmentally harmful emissions in modern agriculture and has been flying under the radar for years. Unusable, unavailable nitrogen fertilizer converts to Nitrous Oxide and gases into the atmosphere, the production and use of synthetic fertilizers and the direct link to N₂O is a key area of concern for environmental sustainability and a huge target for reduction.

THE SOLUTION:

SMART Seeder MAX™ technology meters the exact requirements of fertilizer prescribed for each row. Combine this with up to 6 different in-furrow placement options maximizes new plant uptake of fertilizer, resulting in significant reductions of harmful and excess N₂O emissions.



CARBON SEQUESTRATION

THE CHALLENGE:

No-Till has been a fixture on dryland farming for many years. The increase in Organic Matter in the soil is directly related to how much carbon dioxide can be captured and sequestered. Highly tilled soil with almost 0% Organic Matter sequesters almost no CO₂ on an annual basis. For every 1% increase in Organic Matter, each 1 acre of soil will sequester an additional 20 tons of Carbon Dioxide.

THE SOLUTION:

The unique DX Opener System™ on the SMART Seeder™ does it better. Designed to preserve and build organic matter by doing No-Till better, the DX Opener System™ is designed to cut through field trash and accurately places seed, fertilizers, and amendments with minimum soil disturbance in a single pass.



TSX.V: **CSX**

OTC Markets

OTCQB: **CLGPF**



INTELLECTUAL PROPERTY PROTECTION

Clean Seed has always taken a global perspective to its intellectual property portfolio and has secured patents in every major planting and seeding marketplace globally.



SEEDING/PLANTING EQUIPMENT VALUE

GLOBAL: \$9.2 BILLION
TOTAL PATENT COVERAGE:

\$7,421,467,550

80.5%



ANNUAL CROP PRODUCTION (TONS)

GLOBAL: 2.7 BILLION (tons)
TOTAL PATENT COVERAGE:

2,480,497,243

82.5%

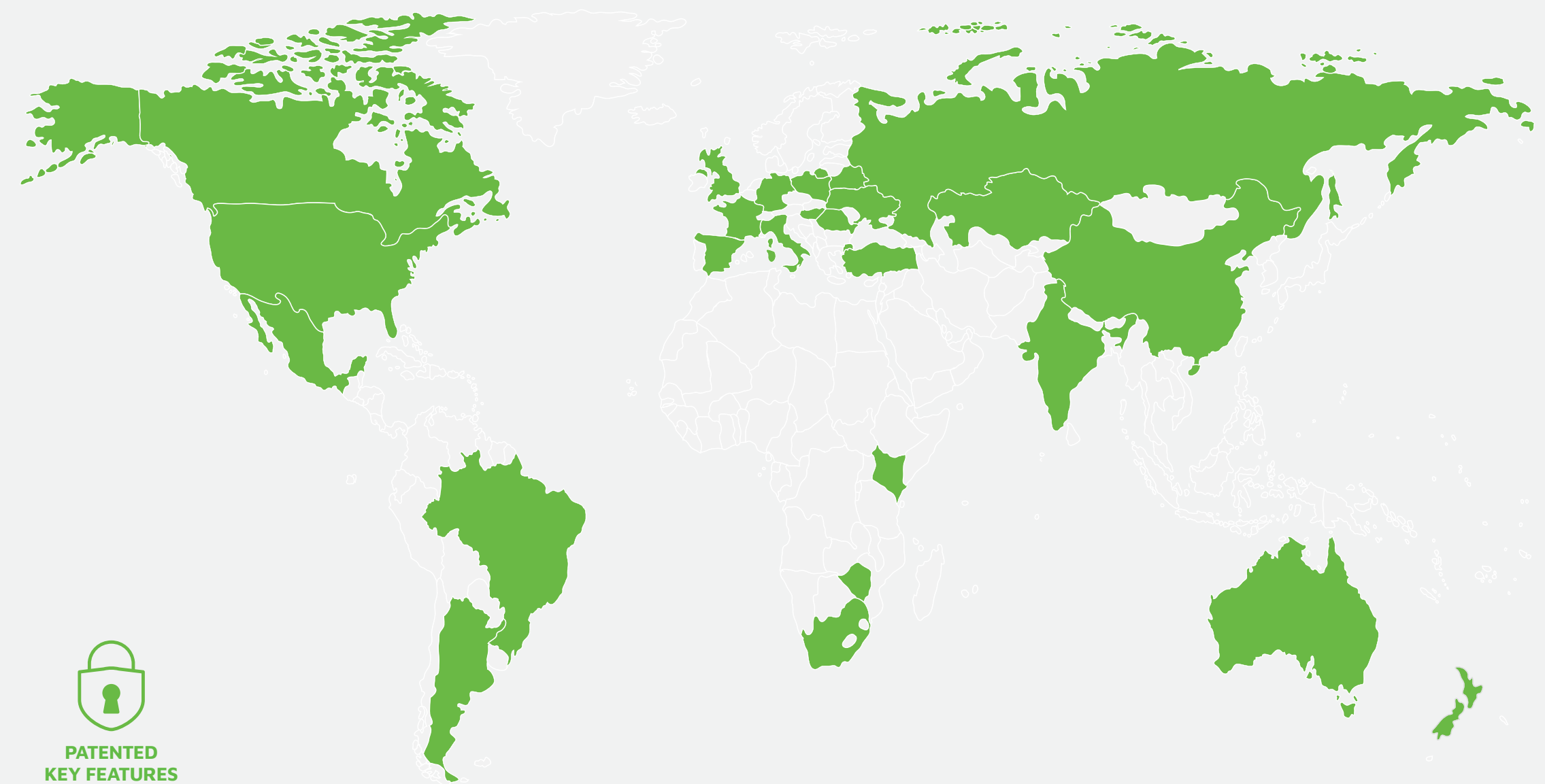


CROP PRODUCTION AREA (ACRES)

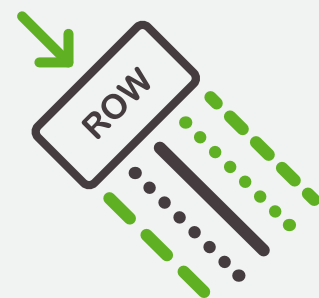
GLOBAL: 2.1 BILLION (ACRES)
TOTAL PATENT COVERAGE:

1,547,574,974

72.7%



OUR COMPETITIVE ADVANTAGE IS SECURED BY A ROBUST INTELLECTUAL PROPERTY PORTFOLIO:



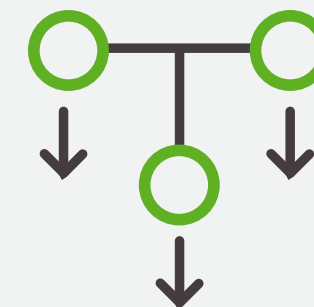
VARIABLE RATE
METERING SYSTEM



SEEDSYNC ONE
SINGULATION
(UNDER LICENSE)



SMART
CART



TRIPLE SHOT
OPENER



ON DEMAND
AIR SYSTEM



STAGE TRANSFER
SYSTEM

STRATEGIC JOINT VENTURE

The Joint Venture will combine Norwood's significant market experience, technologies, engineering, supply chain and manufacturing resources with Clean Seed's award-winning SMART technologies. The Joint Venture will provide Clean Seed a clear path to commercializing its SMART technologies without the financial requirements of a manufacturing plant thus dramatically reducing its capital requirements going forward.



SMART SEEDER MAX™ LICENSING AND DISTRIBUTION PARTNERSHIPS



LICENSING
ARRANGEMENTS



MULTI-STORE
TIER-ONE DISTRIBUTION PARTNER

SMART SEEDER MAX™ KEY PARTNERSHIPS

Distribution and manufacturing partnerships with top tier firms in Canada and the United States. Clean Seed's fully Integrated Supplier Model and JIT assembly Facility allows Clean Seed to focus on Assembly and final quality.



SMART SEEDER MAX™ MANUFACTURING PARTNERSHIPS



THIRD PARTY
STEEL
MANUFACTURING



THIRD PARTY
PLASTICS
MANUFACTURING



THIRD PARTY
ELECTRONICS
MANUFACTURING



IN-HOUSE
SOFTWARE
DEVELOPMENT



BOARD OF DIRECTORS



**CHAIRMAN, CEO AND
DIRECTOR OF CLEAN SEED
GRAEME LEMPRIERE**
Founder of CSX
Capitalized the company
Built technology and management team



**PRESIDENT AND
DIRECTOR OF CLEAN SEED
GARY ANDERSON**
Co-founder of AGI
Significant organic growth and M&A experience
40 years in manufacturing



**COO AND
DIRECTOR OF CLEAN SEED
COLIN RUSH**
20+ years experience in the North American
agricultural equipment industry
Held senior positions with John Deere, Case IH
and JCB Canada



**DIRECTOR OF CLEAN SEED
STEVE SOMMERFELD**
Original CFO of Ag Growth International
Inc. 1997-2020
25 acquisitions that resulted in the
company internationalizing its business
and increasing revenues from \$2 million
in 1997 to \$1 billion in 2020



**INDEPENDENT DIRECTOR
DR. ULRICH TROGELE**
34 year leadership career in agribusiness
Significant M&A experience



**INDEPENDENT DIRECTOR
GLENN GATCLIFFE**
20+ years of experience including M&A
Former managing director, head of
consumer, agriculture, chemicals and
manufacturing at Raymond James

LEADERSHIP TEAM
\$1.5B+
CREATED
OVER
COMPANY VALUE



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DRIVING TECHNOLOGY
IN MODERN AGRICULTURE