Nova Plantum, LLC

Harvesting Nature’s Technology to Enrich Mankind

Introduction

- Nova Plantum (NP) is a technology and knowledge driven company, located in Middle Georgia, in the heart of the rural agricultural region.
- The company is managed by 4 visionaries from diverse backgrounds.
- Our mission is to create solutions, fusing traditional knowledge with modern technology, resulting in synergistic products enhancing human and animal well being, with minimal negative impact on the environment.

Who we are

- Four visionaries with multiple advanced degrees including:
  - MS, MBA, MEng, MPhil, MD, and PhD degrees

- Combined experiences of more than 100 years in academic, research and industry.

What we do

- Tissue Culture - using innovative biotechnological tools, we:
  - Mass produce any plant
  - Consultancy Services
  - Education Services
- These plants are selected for their desirable traits and are mass propagated in a state-of-the-art plant tissue culture technology.
- Propagate plants in a healthy, environmentally sustainable process, and with a very small carbon footprint.

What is Tissue Culture?

- Tissue Culture (TC) is a way of rapidly multiplying plants, in the lab, while maintaining genetic purity of the original “mother” plant

- We, Nova Plantum, have the technology to multiply almost any plant, for almost any purpose

- Think of TC as analogous to the iPhone - it is a *platform* on which various *apps* can be used
  - Multiplying Cannabis - we have an “app” (i.e. technology) for that
  - Multiplying rare plants - we have an “app” for that
  - Preserving plants for future generations - we have an “app” for that

Advantages of Tissue Culture

- Traditional method:
  - One seed = one plant
  - Hindered by climate and seasonal weather changes
  - Some varieties of seeds may be difficult to grow - due to location and geographic issues
  - Quality of end product plant is NOT guaranteed
  - Plants produced from seeds are not predictable or reliable

- Tissue Culture:
  - One seed → One Mother Plant = millions of genetically identical plants in a matter of months
  - Full production done indoors in the TC lab
  - NOT affected by climate changes or seasonal weather issues
  - ANY plant can be multiplied at ANY time of the year
  - High yield, consistent quality, predictable and reliable

Our Plan

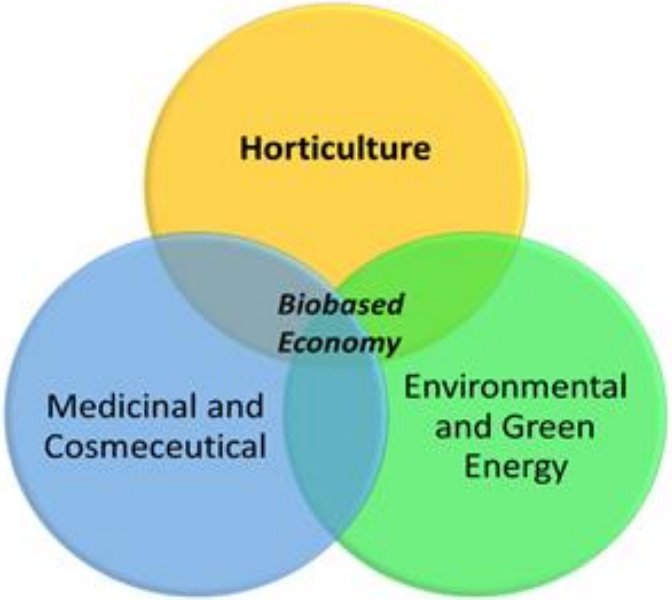
- Establish a plant tissue culture lab
  - Capacity to produce approximately 1 million plantlets per annum, depending on the plant species
  - Production capacity can easily be scaled up as the demand for plants increases
- Establish a greenhouse
  - To harden the plants produced through tissue culture
- These facilities will enable us to produce plants and deliver to our domestic and international clients year round

Lab Facility

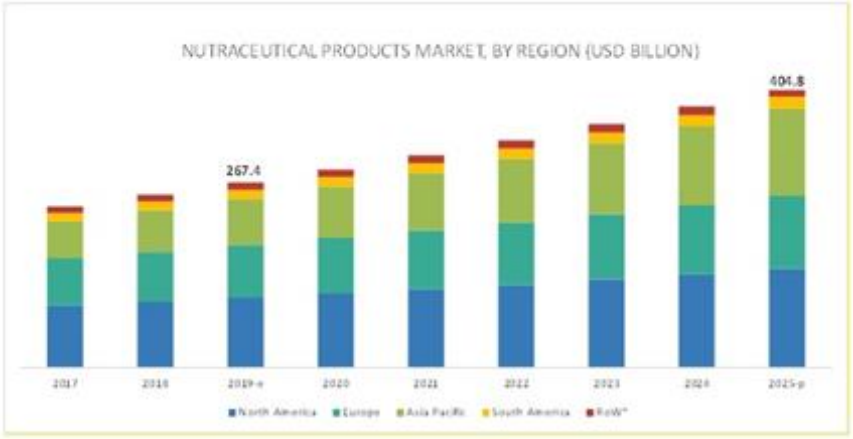
- Nova Plantum owns 118 acres of land at a very strategic location in Middle Georgia
  - 3 miles from Interstate highway
  - 10 miles from train station for rail transport
  - 3 miles from regional airport
  - 75 miles from international airport

- Production of tissue culture plants within 6 months of facility construction

Market prospects for Tissue Culture

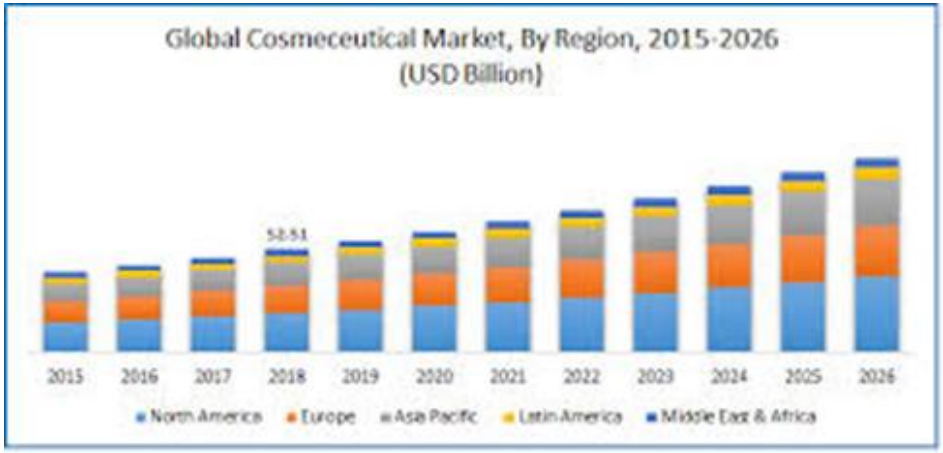


Potential market share for TC produced plants



e - Estimated; p – Projected

*RoW includes the Middle East and Africa.Source: Secondary Research, Primary Interviews, Industry Journals, Related Research Publications, Press Releases, and MarketsandMarkets Analysis



Conclusion