



# Industrial Hemp Research Pilot Program

PRESENTED BY

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**March 7, 2019**

Florida Agricultural and Mechanical University



# Qualified Respondents

- Eat Your Veggies, LLC
- **Future Farm Technologies**
- **Green Earth Cannaceuticals, Inc.**
- Liberty Health Sciences
- RBC-USA-United (RUU)
- Stem IH/Stiff Holding Company
- **Sunshine Hemp, Inc.**





# Invitation to Negotiate (ITN) Process

- ✓ Qualified Respondent Presentations
- ✓ Negotiation between FAMU and Qualified Respondents
- Evaluation Team recommends chosen Qualified Respondents for contractual agreement
- BOT Approval of Final Pilot Projects
- Contracts Signed—by projected date March 11, 2019
- FDAC permit process begins







# Action Item

Approval Needed

- Pursuant to 1004.4473 of the Florida Statutes  
“A university must obtain the authorization of its board of trustees before implementing an industrial hemp pilot project. A pilot project authorized by a university must be registered with the department and must comply with rules adopted by the department.”
- Request
  - Approval of Industrial Hemp Pilot Projects:
    - **Sunshine Hemp**
    - **Green Earth Cannaceuticals**
    - **Future Farm Technologies**





# FAMU asked for an offer based on these positions--which include BOT feedback:

- Partner should meet statutory Requirements.
- Partner should pay 100% of project costs.
- Partner should involve underserved small farmers in the research and commercial activity.
- Partner should provide FAMU student internships and research opportunities for FAMU faculty.
- Partnership encouraged to continue beyond the 2 contracted research years.
- Partner encouraged to allocate 100% of New intellectual property developed to FAMU.
- Partner encouraged to allocate 30% of **sales** of products resulting from commercial activity to FAMU.
- Partner is encouraged to conduct as much research and commercial production as feasible on FAMU property in Quincy and/or Brooksville.







# Snapshot of Chosen Pilot Projects:

- Here is a snapshot of the strengths that each identified qualified project partner possess. These characteristics embody all of the preferred qualifications that we were looking for in providing a comprehensive approach to pilot projects throughout the state of Florida which cover the areas important to us:
- **Sunshine Hemp Strengths:**
  - IP allocation to FAMU
  - Net profit percentage to FAMU and IPO Stock Ownership during Phase II
  - Involvement of FAMU students and faculty
  - Quality of Research Program and potential for income for FAMU
  - Continuation beyond two years
- **Green Earth Cannaceuticals Strengths:**
  - IP allocation to FAMU
  - Sales percentage to FAMU
  - Involvement of Underserved Farmers, FAMU students and faculty
  - Continuation beyond two years
- **Future Farm Technologies Strengths:**
  - Solely use FAMU property and involvement of FAMU students and faculty
  - Involvement of Underserved Farmers





# Sunshine Research Project:

## – Goals

- Testing to insure proper THC levels
- Identify, cultivate, test, and quantify which hemp genetics and methods are suitable for Florida regions and climates
- Ensure that plants grown from these genetics do not present a risk to Florida's other agricultural crops

## – Research Focus

- Topics include: plant genetics, soil analysis, basic agronomics, equipment for harvesting, nutraceutical and industry applications
- Projected Research
  - Identify and quantify hemp seed genetics suitable for Florida regarding photoperiod climate and stability of compliance and biosecurity
  - Experiment with planting techniques, nutritional needs along with effects of pest and pathogen pressure to find or develop suitable germ plasm for the best performance in each Florida region
  - Create mechanized harvest equipment along with crop drying and stabilizing of biomass storage
  - Experiment with cutting edge extraction and molecular separation of terpenes, flavonoids, and cannabinoids
  - Conduct studies of the effects of each or combined molecules, and also making formulations already created
  - Evaluate hemp invasion risks
  - Develop research and commercial partnerships for cooperative sharing of outcomes to expand opportunities for small and large farmers in Florida







# Green Earth Research Project:

## – Goals and Research Focus

- Testing to insure proper THC levels
- Identify hemp plant varieties capable of thriving in Florida's various environments
- Assessing the potential for hemp plants becoming an invasive species
- Collaborate with FAMU to develop management practices to make hemp production commercially viable
- Identifying additives that optimize plant health and increase production
- Analyze economic impact of Industrial hemp production in Florida







# Future Farm Research Project:

## – Goals and Research Focus

- Testing to insure proper THC levels
- Soil testing in association with FAMU staff
- Based on soil analysis, various seed varieties will be secured
- Will determine which seeds should be germinated and tended in Future Farms Apopka greenhouse—
- Commence propagation in Apopka greenhouse and transfer to FAMU Quincy facility
- As crop matures, close consultation with FAMU staff will occur and regular progress reports will be prepared
- A public outreach program will be conducted in association with FAMU staff to market industrial hemp as a beneficial and profitable crop for Florida farmers and growers







“At FAMU, Great Things Are Happening Every Day.”

established 1887





# Questions?

