Industrial Hemp Research Pilot Program

PRESENTED BY

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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.
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
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?