



Arcadia Biosciences

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Company Profile

Industry Sector: Agricultural Biotechnology

Company Overview: Arcadia's mission is to develop agricultural products that benefit the environment and enhance human health. We are developing agronomic and quality traits in crops, including wheat with reduced gluten, wheat with increased dietary fiber and crops with enhanced stress tolerance.

Target Market(s): Consumers, Food & Beverage Companies, Medical Food Companies, Farmers, Seed Companies, Millers



Key Value Drivers

Technology: Arcadia uses both transgenic and non-transgenic methods for crop improvement. Our non-transgenic method, TILLING, is a means to identify induced genetic variants in crops. These sequence changes confer beneficial properties in improved crop varieties.

Competitive Advantage: Novel genetic variants are patentable, and can be easily tracked using molecular markers for plant breeding. Crops developed with TILLING do not face regulatory or consumer acceptance concerns since they are not genetically modified organisms (GMOs) and are compatible with organic agriculture.

Plan & Strategy: Traits under development improve producer economics and address consumer preferences. Novel traits are licensed or co-developed and directly sold to key industry partners.



Management

Leadership: CEO Roger Salameh and CSO Vic Knauf each have more than 20 years management and scientific development experience in the agricultural biotechnology business with companies such as Monsanto and Calgene. Project Director Max Moehs has 14 years' industry experience.

Scientific Advisory Board: Arcadia's advisory board includes prominent academic plant biologists at top agricultural universities such as UC Davis.



Product Pipeline

1. Reduced gluten wheat addresses consumers concerns about the dietary effects of gluten and gives those with gluten sensitivity a new wheat option.
2. Resistant starch enhanced wheat provides consumers with a low glycemic index, increased dietary fiber wheat.
3. Stress tolerance enhanced crops are able to grow with less fertilizer and are more drought and salinity tolerant.