Introduction for Investors

July 2015

Forward-looking statements

Certain statements contained in this presentation are "forward-looking statements," such as statements concerning the company's ability to develop commercial products with its collaborators that incorporate its seed traits, the company's anticipated financial results, current and future products under development, additional collaboration agreements, the regulatory process, business and financial plans and other non-historical facts. These statements are based on current expectations and currently available information. However, since these statements are based on factors that involve risks and uncertainties, the company's actual performance and results may differ materially from those described or implied by such forward-looking statements. Factors that could cause or contribute to such differences include, among others: continued competition in seed traits and other products; the company or its collaborators may not be successful in developing commercial products that incorporate its traits; even if successful, such products may not achieve commercial success; the company's reliance on its collaborators to commercialize products incorporating its seed traits; the company's exposure to various contingencies, including those related to intellectual property protection, success of field trials, regulatory compliance, the speed with which regulatory approvals are received, and public acceptance of biotechnology products; the success of the company's research and development activities; deviations from industry-standard assumptions regarding phases of development, including typical time requirements and probabilities of success relating to each development phase; developments related to foreign governmental regulations, political climate, currencies and economies; successful operation of our joint ventures; fluctuations in commodity prices; compliance with regulations affecting our business; the accuracy of the company's estimates related to distribution inventory levels; the company's ability to obtain a significant portion of the increased value to farmers from products that incorporate its traits; the effect of weather conditions, natural disasters and accidents on the agriculture business or the company's facilities; and other risks and factors that are described in greater detail in documents (including a prospectus) that the company has filed with the Securities and Exchange Commission (the "SEC") .

Forward-looking statements

These forward-looking statements speak only as of the date of this presentation and should not be construed as statements of facts. You should not rely upon forward-looking statements as predictions of future events. Although the company's management believes that the expectations reflected in these forward-looking statements are reasonable, the company cannot guarantee that the future results, performance or events and circumstances described in these forward-looking statements will be achieved or occur. Moreover, neither the company nor any other person assumes any responsibility for the accuracy or completeness of any of these forward-looking statements.

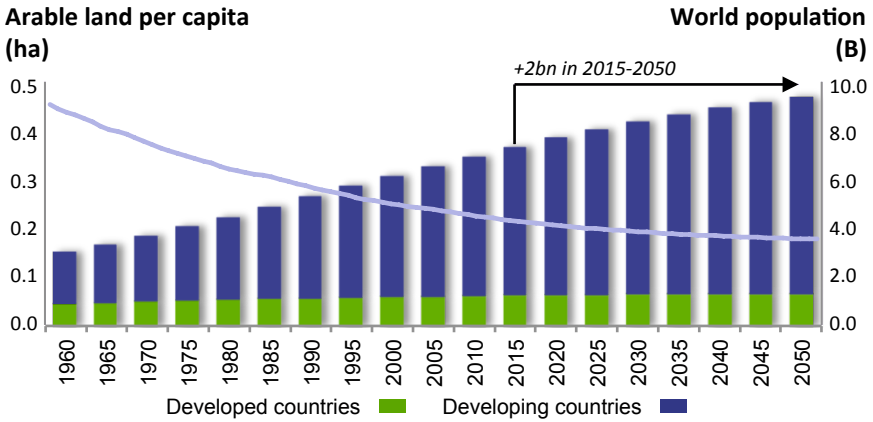
Before making any investment, you should read the prospectus in the registration statement and the other documents that the company has filed with the SEC for more complete information about the company. You may access these documents for free by visiting the SEC's website at http://www.sec.gov.

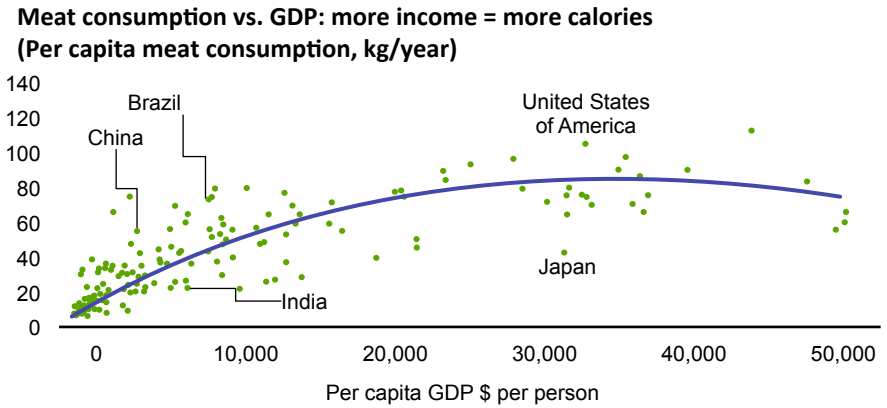
Arcadia is a leading agricultural biotechnology trait company

Portfolio of late-stage yield traits creates a compelling case for new investment in agriculture

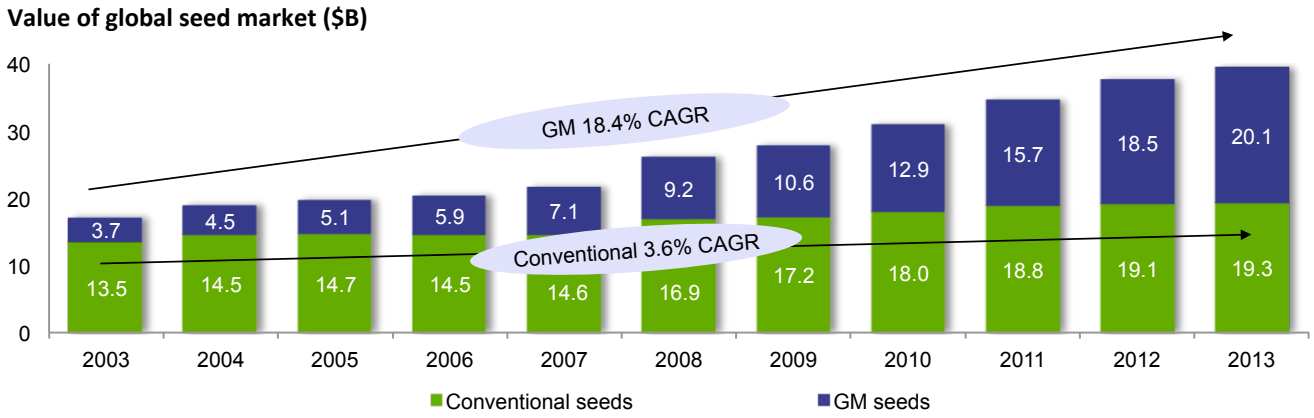
Agricultural yield is always critical, and traits create significant value

Population growth and increasing per capita income drive need for increased yield





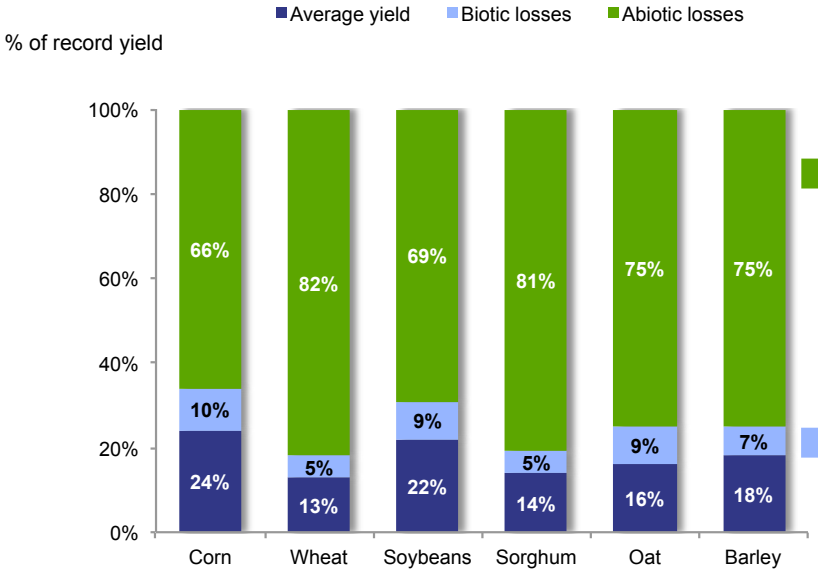
Seeds are the vehicle for delivering improved genetics and have had tremendous growth



Source: Food and Agriculture Organization of the United Nations (FAO), Seed Industry Synopsis, Phillips McDougall, June 2014

Significant growth potential exists from next wave of abiotic stress traits

Abiotic stress accounts for 66-82% of lost yield



Addressing yield losses caused by abiotic stresses represents untapped growth opportunity

Limited number of commercially available abiotic stress solutions on the market:

AgrisureArtesian · genuity DROUGHTGARD HYBRIDS · optimum AQUAmax

Multiple commercially available biotic stress solutions (partial list):

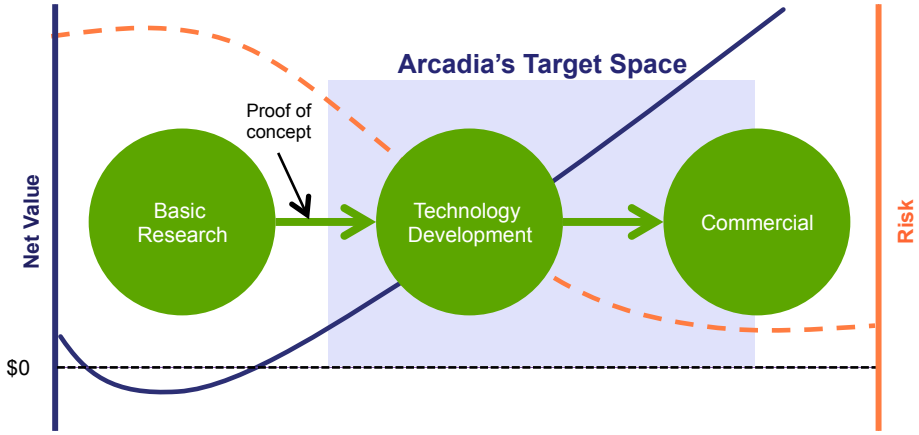
HERCULEX Insect Protection · Enlist Soybeans · TwinLink · optimum Intrasect · optimum Leptra · AgrisureDuracade · SmartStax · LIBERTY LINK · POWERCORE · Roundup Ready CORN 2 · REFUGE ADVANCED · genuity ROUNDUP READY 2 YIELD SOYBEANS

- GM seed market of approximately $20B based primarily on biotic stress management – highly competitive, multiple products; zero-sum play
- Abiotic stress management has greater value potential, minimal current products, and opportunity for major market expansion

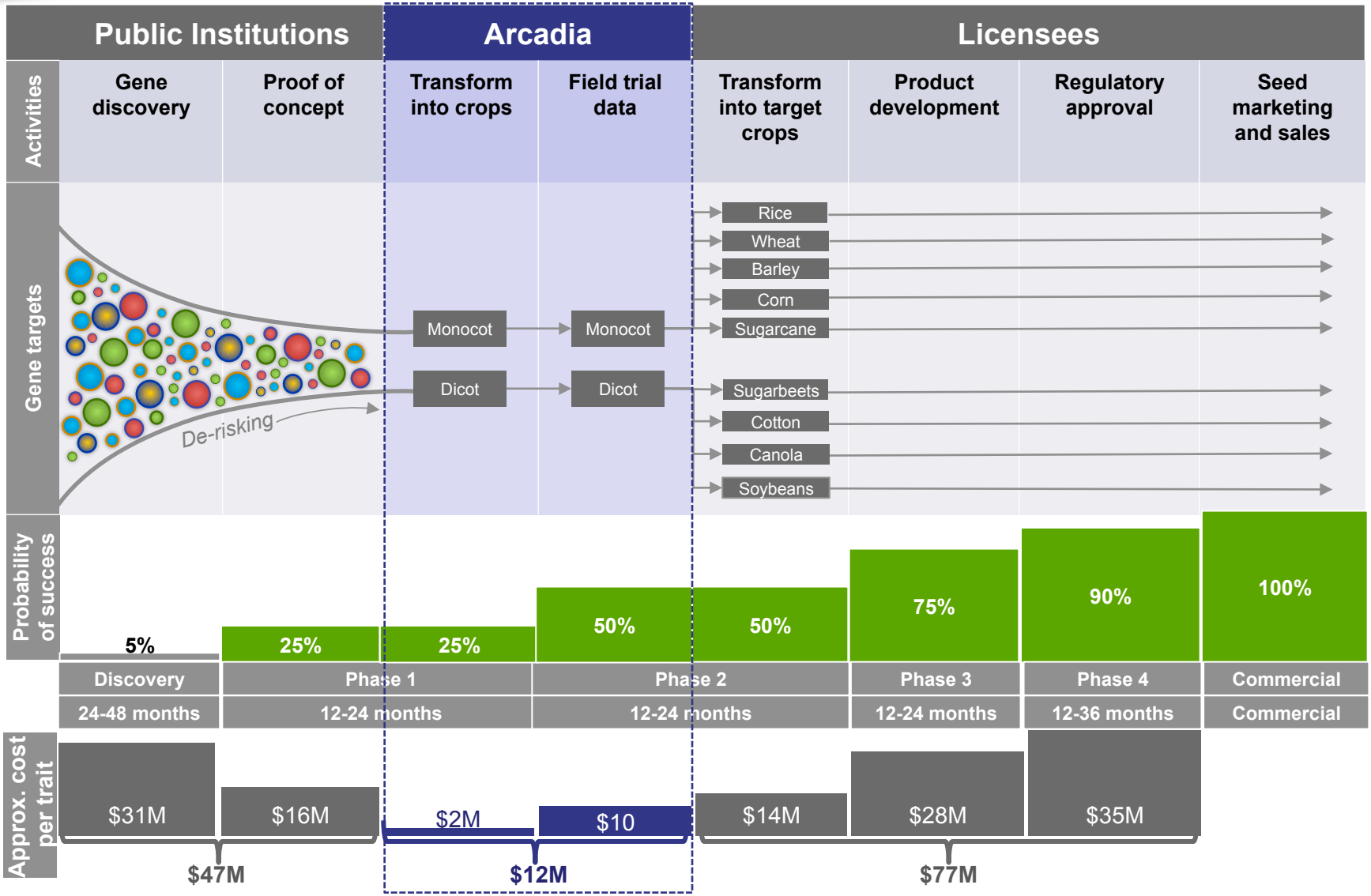
Source: Biochemistry and Molecular Biology of Plants, Buchanan, Gruissem, Jones, American Society of Plant Physiologists, 2000.

Creating next wave of value in untapped agricultural markets

- Leading ag-biotech trait company with diversified portfolio of late-stage yield and product quality traits
- Our role is catalytic: We bridge and de-risk the gap between basic research and commercial development
- Approximately 160 issued or pending patents worldwide owned or exclusively controlled
- Founded in 2002 with headquarters in Davis, California, and 77 full-time employees



Business model reduces risk and leverages third-party capital and capabilities



Source: Company information, Phillips McDougall, Seed Industry June 2014.

Late-stage portfolio with 13 products in Phase 3 of development or later

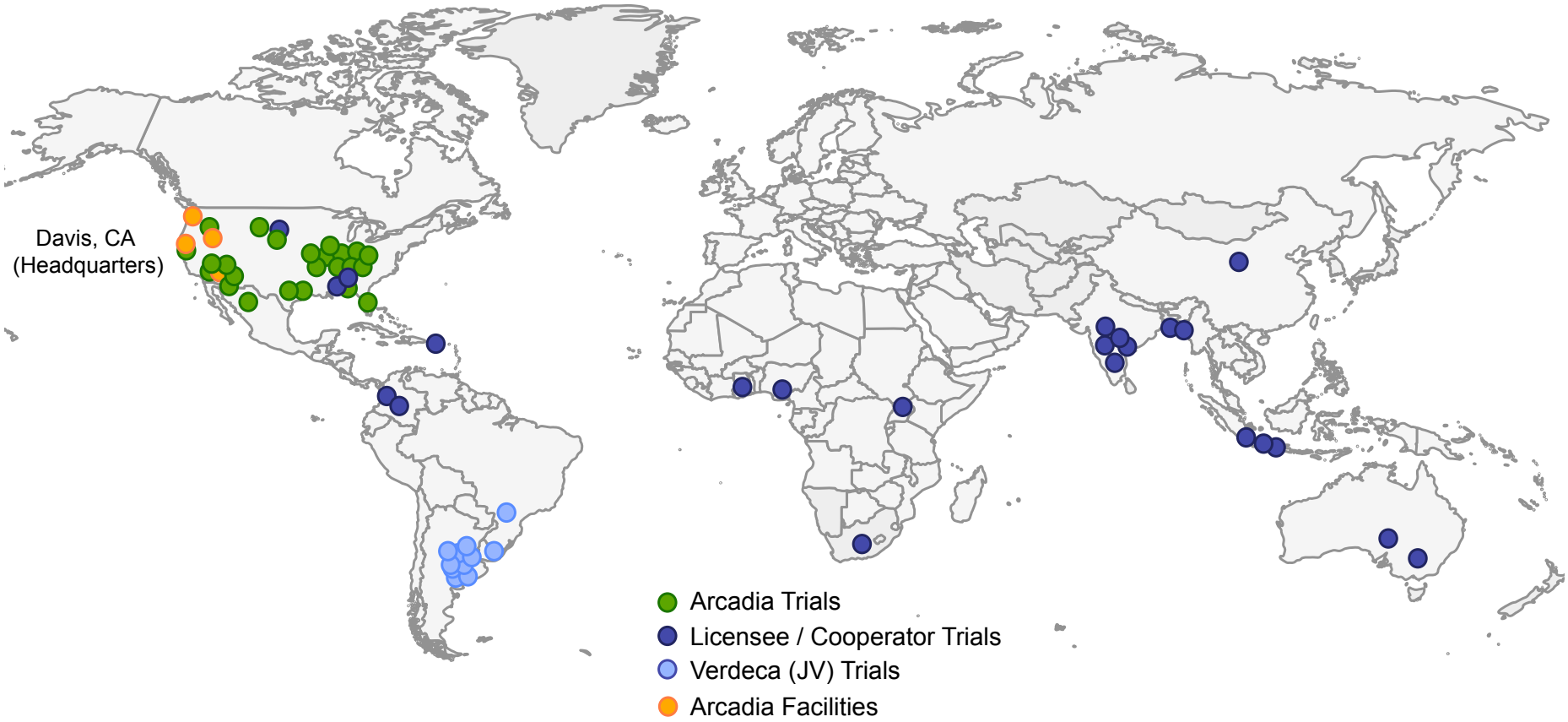
Program	Crop	Collaborator(s)	Phase	D	1	2	3	4	C	Key markets
			Months	24-48	12-24	12-24	12-24	12-36		
Productivity traits: Designed to increase crop yields and income through improved input efficiency and environmental stress tolerance										
			Probability of success[1]	5%	25%	50%	75%	90%		
Nitrogen Use Efficiency (NUE)	Wheat	Limagrain, Mahyco, CSIRO, ACPFG								Global
	Rice	Mahyco, AATF								Asia
	Canola	-								North America, Asia
	Barley	-								North America, Australia
Water Use Efficiency (WUE) and Drought Tolerance (DT)	Soybean (DT)	Verdeca								Americas, Asia
	Wheat (DT)	Bioceres								Global
Salinity Tolerance (ST)	Rice	Mahyco								Asia
Herbicide Tolerance[2]	Wheat	Confidential								Global
Trait Stacks										
NUE/WUE/ST	Rice	AATF								Asia
Product quality traits: Designed to increase the value of harvested products										
GLA Oil	Safflower	Abbott								North America, Asia
Resistant Starch[2]	Wheat	-								Global
Post Harvest Quality[2]	Tomato	Bioseed								Asia, North America
ARA Oil	Safflower	Abbott, DuPont Pioneer								North America, Asia

Note: Phase: D=Discovery; 1=Proof of Concept; 2=Greenhouse / Early Field Trials; 3=Additional Field Trials / Product Development; 4=Regulatory / Pre-Commercial; C=Commercialized

[1] Based on industry standard probabilities

[2] Non-GM

Arcadia and partners rapidly move traits into the field for testing and development



Current and planned 2014-2015 field trials
Source: Company information

Partnered with leaders in target crops, markets and geographies

Wheat	Limagrain	• Leading global wheat seed breeder and marketer • Fourth largest global seed company overall	• Investor • JV partner • Commercial partner since 2009
Rice and Cotton	mahyco	• Biotech trait leader in Southeast Asia • Cotton trait leader in India	• Commercial partner since 2007
Soybeans	BIOCERES	• Owned by 200+ of largest soybean farmers in South America	• JV partner • Commercial partner since 2012
	Dow	• Leading developer of crop protection traits • Product development and regulatory expertise	• Development and channel partner starting April 2015
Nutritional Oils	Abbott	• Leading nutrition and medical foods company	• Commercial partner since 2003
Grain Quality	Ardent Mills	• Leading global grain miller	• Commercial partner since 2012

Partial list

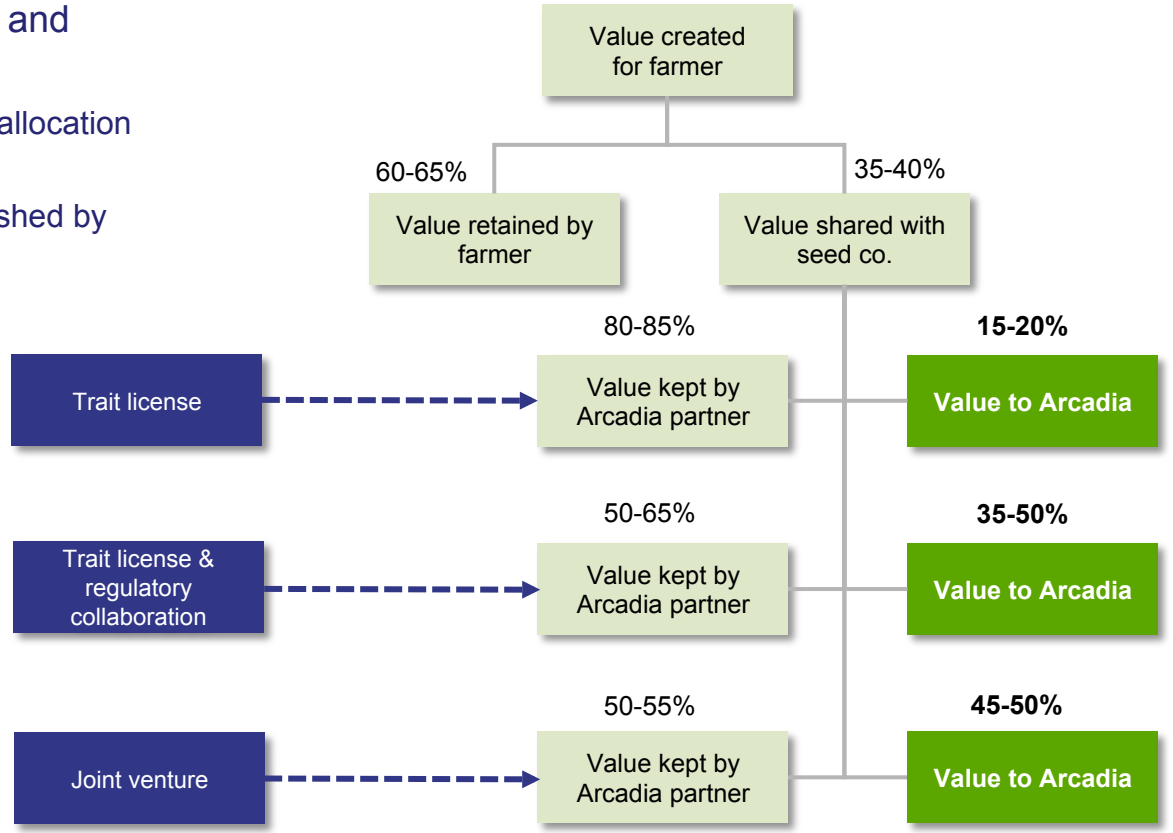
- Commercial agreements enable and incentivize sub-licensing and stacking to maximize trait market share
- Arcadia provides traits and services to achieve high value capture
- Licenses generally extend for 20 years from commercial launch, with value shared independent of patent life

Traits and capabilities lead to high value-capture

- Arcadia has licensed key technologies to partners for most major crops and countries
  - Farmer – seed company value allocation based on partner experience
  - Arcadia value allocation established by contract

- Three primary license types:

Value-sharing



Contractual milestones provide near-term revenue and visibility on progress

Clear path to sustained financial growth with 50 products in development

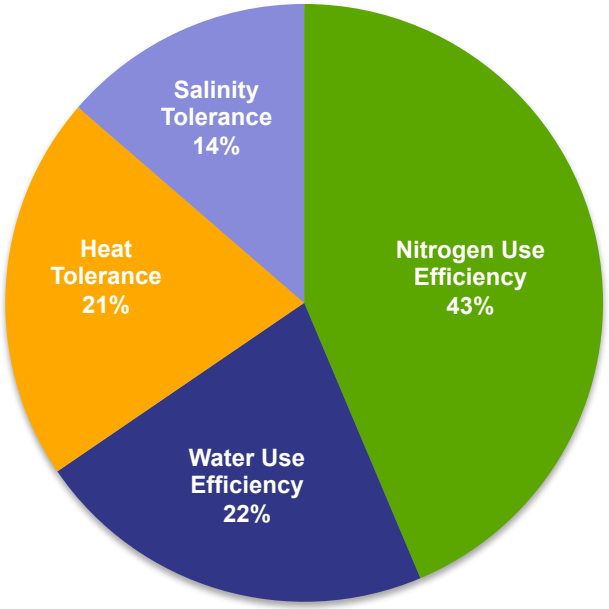
PROGRAM	Crop	Collaborator(s)	Phase D 1 2 3 4 5	Key Markets
PRODUCTIVITY TRAITS				
Nitrogen Use Efficiency (NUE)	Wheat	Limagrain, Mahyco, CSIRO, ACPFG		Global
	Rice	Mahyco, AATF		Asia
	Soybean	Verdeca		Americas, Asia
	Corn	-		Global
	Cotton	Mahyco		Americas, Asia
	Canola	-		N. America, Asia
	Sugarcane	US Sugar, SASRI, Mahyco		S. America, Asia
	Barley	-		N. America, Australia
	Turf	Scotts		N. America
	Tree Crops	Arborgen, Futuragene		Brazil, N. America
	Vegetables	Mahyco		Asia
Water Use Efficiency (WUE) Drought Tolerance (DT)				
	Wheat (WUE)	Limagrain		Global
	Wheat (DT)	Bioceres		Global
	Rice (WUE)	Mahyco		Asia
	Soybean (DT)	Verdeca		Americas, Asia
	Corn (WUE)	Genective		Global
	Cotton (WUE)	Mahyco		Americas, Asia
	Canola (WUE)	-		N. America, Asia
	Sugarcane (WUE)	US Sugar, SASRI, Mahyco		S. America, Asia
	Sugar Beets (WUE)	SES Vanderhave		N. America
	Tree Crops (WUE)	Arborgen, Futuragene		Brazil, N. America
	Vegetables (WUE)	Mahyco		Asia
Salinity Tolerance (ST)	Wheat	Mahyco		Global
	Rice	Mahyco		Asia
	Cotton	Mahyco		Americas, Asia
	Canola	Mahyco		N. America, Asia
	Sugarcane	Mahyco		S. America, Asia
	Vegetables	Mahyco		Asia
Herbicide Tolerance*	Wheat	Confidential		Global
Heat Tolerance	Wheat	USAID, CIMMYT		Global
Trait Stacks				
NUE/WUE/ST	Rice	AATF		Asia
NUE/DT	Wheat	Bioceres		Global
NUE/WUE	Wheat	Limagrain		Global
NUE/WUE	Canola	-		N. America, Asia
PRODUCT QUALITY TRAITS				
GLA Oil	Safflower	Abbott		N. America, Asia
Resistant Starch*	Wheat	-		Global
Post Harvest Quality*	Tomato	Bioseed		Asia, N. America
ARA Oil	Safflower	Abbott, DuPont Pioneer		N. America, Asia
Grain Quality*	Wheat	Ardent Mills		Global
Low Gluten*	Wheat	-		Global

Phase: D=Discovery; 1=Proof of Concept; 2=Greenhouse / Early Field Trials; 3=Additional Field Trials / Product Development; 4=Regulatory / Pre-Commercial; 5=Commercialized
* Non GM

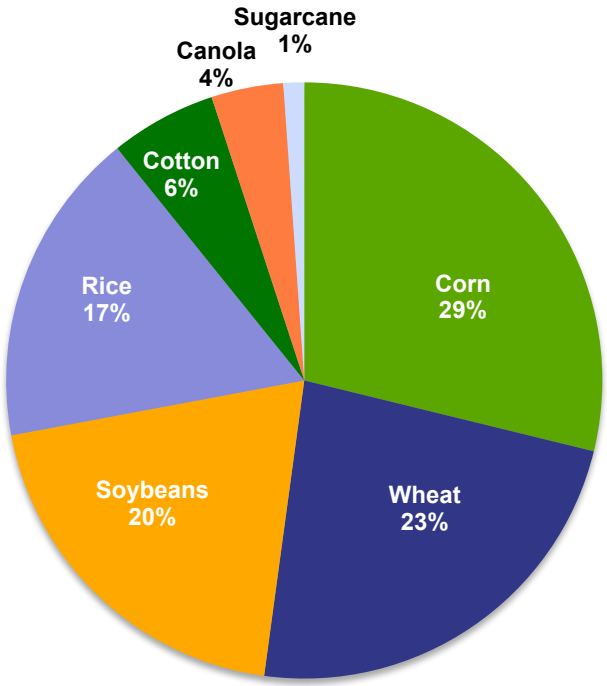
Significant trait revenue opportunity – diversified by trait and crop

Annual Trait Revenue Opportunity Approximately $9B-$14B[1]

By Trait



By Crop



[1] Phillips McDougall Analysis, 2015

Drought Tolerant soybeans have received first regulatory approval in Argentina

Drought Tolerance – Soybeans

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%	90%	

Market Potential

- Global: 110M Ha
- 4th largest global crop
- Focus: North America, South America

Value Creation

- Each 10% yield increase creates ~$10B added value globally
- Trait share potential: High

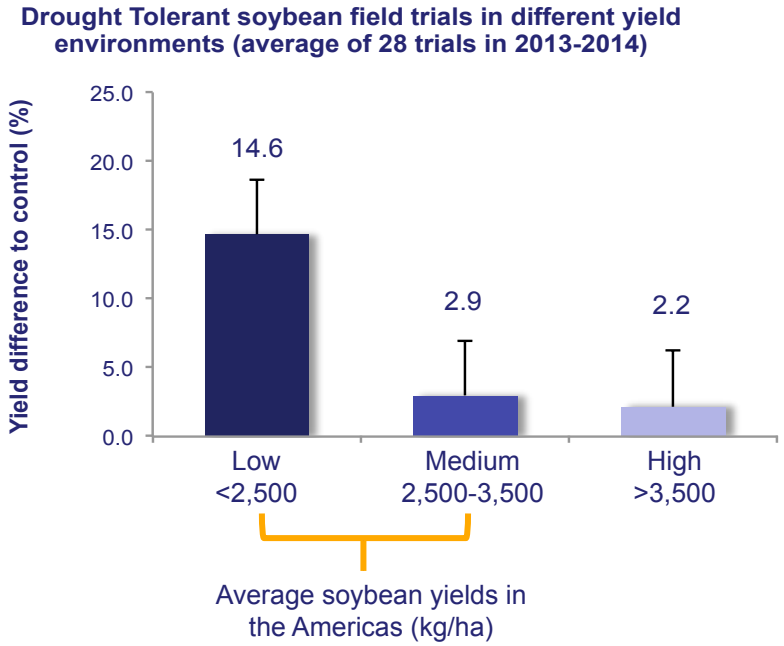
Market Channel

- US-based 50/50 joint venture between Arcadia and Bioceres
- Bioceres shareholders include mostly producers operating in Latin America
- Verdeca develops and de-regulates traits in soybeans
- Breeding in progress at seed companies in South America
- Drought tolerant soybeans received first regulatory approval in Argentina in April 2015

Data Notes

- Multiple years of field data show yield improvements across different environments
- Yield gains most pronounced in low-yielding environments, where yield gains reached 14-15%

Drought Tolerant Soybean Field Trials



Source: FAO, Company information

NUE rice demonstrates average yield increase of 27%

Nitrogen Use Efficiency – Rice

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%		

Market Potential

- Global: 162M Ha
- 3rd largest global crop
- Focus: Asia

Value Creation

- Each 10% yield increase creates ~$30B added value globally
- Trait share potential: High

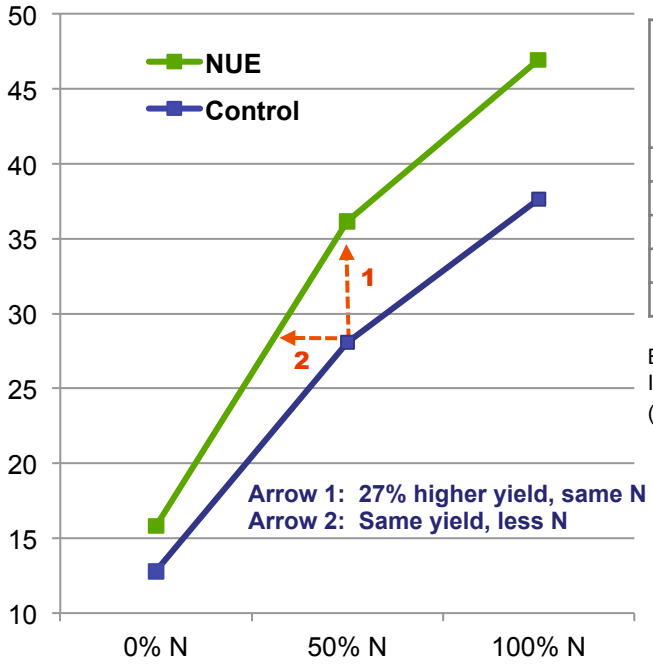
Market Channel

- Major seed company in India; partially owned by Monsanto
- Key partner since 2007
- Introduced the first GM cotton in India and achieved >90% trait market share
- NUE trait has completed US FDA Early Food Safety Evaluation

Data Notes

- Independent field testing demonstrated average yield increase of 27% based on 3 years and multiple environments
- Rice lines incorporating the NUE trait have shown double-digit percentage increases in key plant performance and yield metrics

NUE Rice Field Trials



Production Environment	N Rate (% normal)	NUE Rice Mean (% yield increase)
Lowland	0%	25%
	50%	26%
	100%	25%
Upland	50%	30%
	Mean	**27%**

Based on 3 years of field trials by the International Center for Tropical Agriculture (CIAT)

Source: FAO, CIAT, Company information

NUE wheat demonstrates average yield increase of 10%

Nitrogen Use Efficiency – Wheat

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%		

Market Potential

- Global: 217M Ha
- Largest global crop
- Focus: North America, South America, Asia, Australia

Value Creation

- Each 10% yield increase creates ~$20B added value globally
- Trait share potential: High

Market Channel

- Fourth largest global seed company, leader in wheat
- Key partner since 2009
- Limagrain Cereal Seeds is a US wheat seed JV owned by Limagrain (65%) and Arcadia (35%)
- NUE trait has completed US FDA Early Food Safety Evaluation

Data Notes

- Field trials at multiple locations across multiple crop seasons demonstrated a mean yield increase of 10%
- Lead event demonstrating yield increases across range of nitrogen application rates

NUE Wheat Field Trials

Nitrogen rate	# of Trials	Yield increase (%)
0%	3	16.0
25%	3	8.3
33%	3	12.6
50%	6	5.5
66%	2	17.1
100%	9	9.3
Mean	-	**10.1**

Based on multiple years of field trials

Source: FAO, Company information

Next generation abiotic stress trait stacks developed and field-tested

Stacked Traits – Rice

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%		

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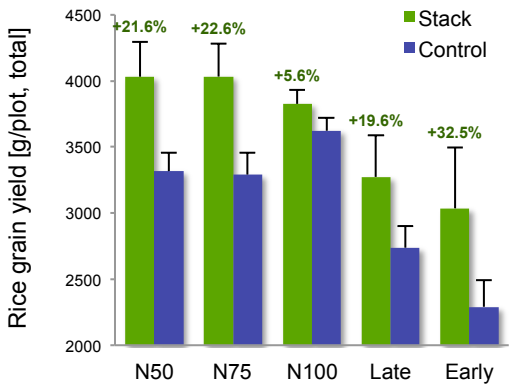
- NUE trait has completed US FDA Early Food Safety Evaluation

Data Notes

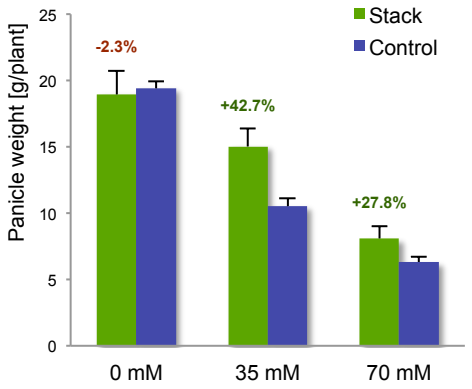
- Stack of NUE, WUE and ST traits in rice
- Significant yield increases over control lines shown under both high and low stress conditions, without yield drag under optimal conditions

Stacked Trait Field Trials

Nitrogen and drought trials



Salinity trials



Source: FAO, Company information

Non-GM Herbicide Tolerant wheat taps into largest existing trait market

Herbicide Tolerance – Wheat (non-GM)

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%		

Market Potential

- Global: 217M Ha
- Largest global crop

Value Creation

- Based on combination of herbicide cost reduction and yield increase
- Trait share potential: High

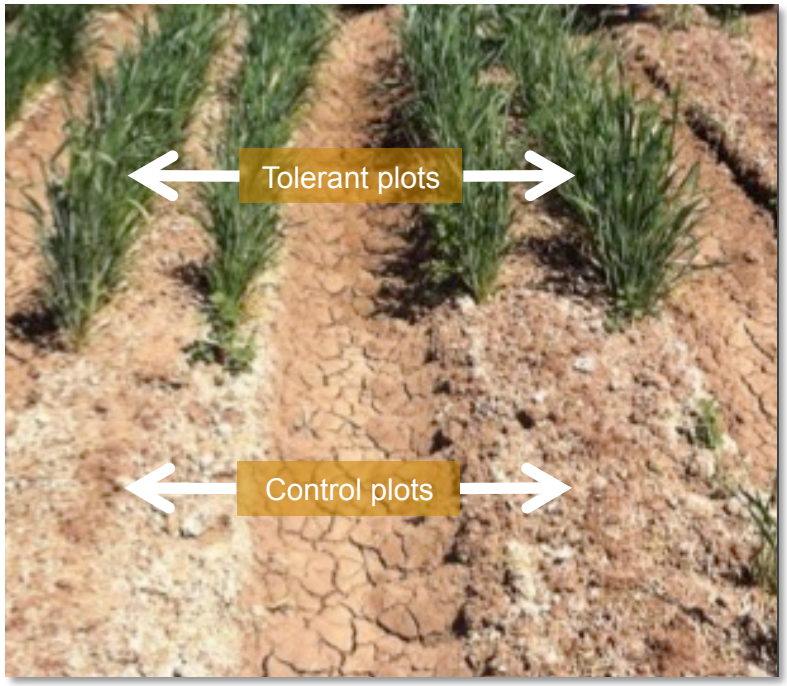
Market Channel

- Key collaborator and funding partner is major seed company, who has non-exclusive, geographically limited rights
- Broad non-exclusive licenses in additional geographies planned

Data Notes

- Wheat genetic diversity library screened using TILLING to discover and stack genes
- Optimized genetic stack in greenhouse and field tests
- Testing to date demonstrates clear tolerance to glyphosate herbicide in multiple lines

Herbicide Tolerant Wheat Field Trials



Source: FAO, Company information

Non-GM Resistant Starch wheat improves health qualities of wheat

Resistant Starch Wheat (non-GM)

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%	90%	

Market Potential

- Global
- $2B market opportunity

Value Creation

- Based on delivery of greater total dietary fiber in wheat products
- Trait share potential: Medium

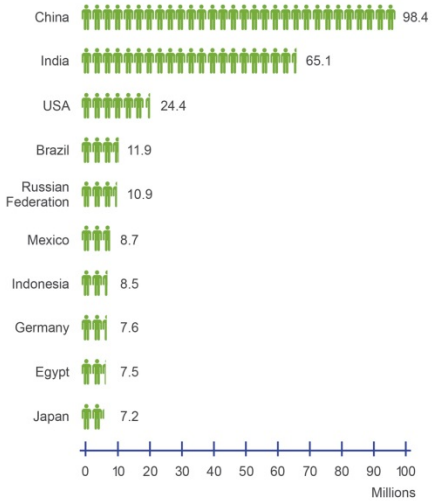
Market Channel

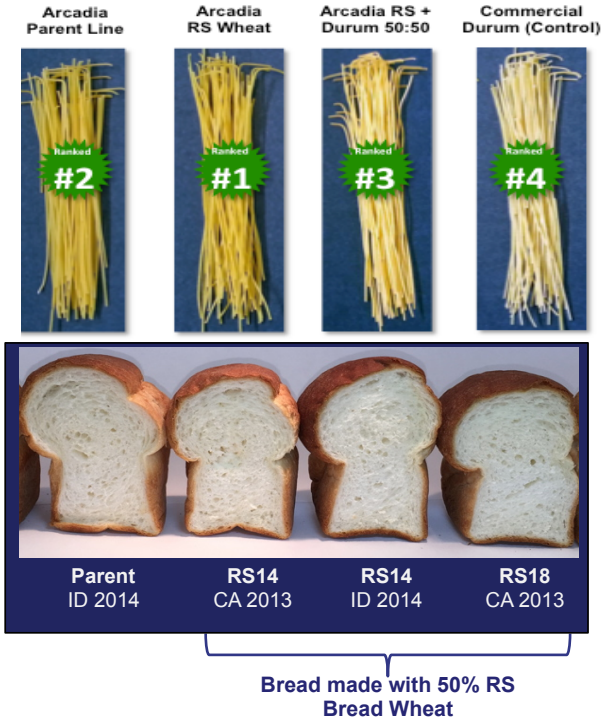
- Multiple major milling and consumer product companies (in development)

Data Notes

- Resistant starch increases dietary fiber, benefitting health and decreasing glycemic index; important in diabetes mitigation
- Pasta made from Resistant Starch Wheat achieved highest consumer preference rankings in tests carried out by a major consumer products company
- Bread made with 50% Resistant Starch Wheat achieved multiples higher total dietary fiber (TDF*) than bread made from standard wheat

Resistant Starch Wheat





Source: International Diabetes Foundation, MarketsandMarkets, Company information

Arachidonic Acid (ARA) Oil will be the second high-value oil commercialized by Arcadia

ARA Oil

DEVELOPMENT PHASE / PROBABILITY OF SUCCESS					
D	1	2	3	4	C
24-48 mo	12-24 mo	12-24 mo	12-24 mo	12-36 mo	
5%	25%	50%	75%		

Market Potential

- Global
- $160M market opportunity

Value Creation

- ARA critical to eye and brain development in infants
- Trait share potential: High

Market Channel

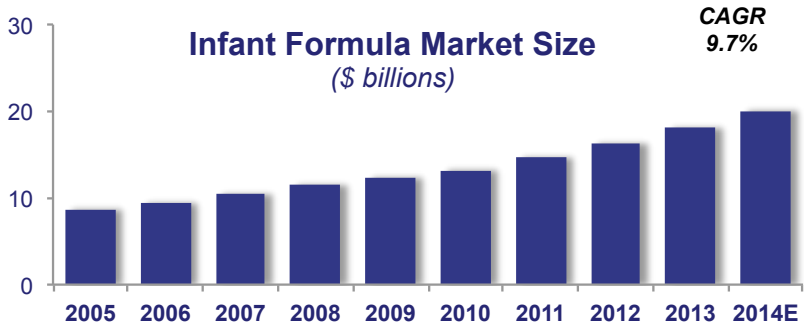
Abbott DUPONT

- Abbott : Technology and commercial partner
- DuPont Pioneer: Technology partner

Data Notes

- ARA has been a key functional ingredient in infant formula since 2002, and is included in >95% of US infant formula products
- Current lines consistently produce high levels of ARA in a greenhouse environment and are entering final development stage
- Commercial production will leverage Arcadia's existing identity preserved supply chain infrastructure and commercial team

Market and Product Data

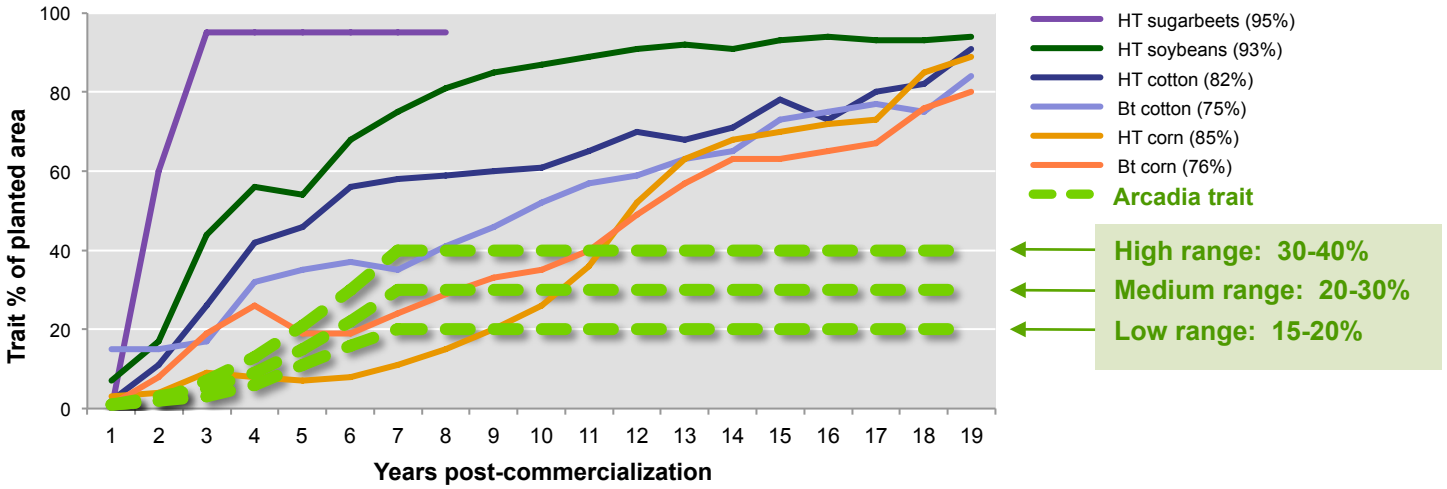


Plant Line	16:0	18:0	18:1	18:2	EDA	DGLA	ARA	Total PUFA
012-006	10.10	1.81	6.62	28.76	10.74	7.15	**28.57**	46.46
012-018	12.33	1.20	12.06	36.04	11.30	5.85	**22.42**	39.57
006-002	9.51	1.05	9.04	42.23	12.14	4.92	**22.16**	39.22
006-008	8.16	1.24	9.28	33.37	18.24	3.11	**19.05**	40.40

Source: USDA ERS, Company information

Growth assumptions conservatively modeled

Trait market adoption rate and share



- Growth assumptions reflect:
  - Rigorous input from commercial partners on crop and market-specific adoption rates
  - Open stacking and sub-licensing provisions to increase trait market penetration
  - Industry standards used for pipeline phases, timing and probabilities
  - Conservative trait adoption rates and peak market share compared with industry norms and partner input
  - 10-year historic averages for commodity prices
  - No change in existing planted acreage

Source: US Department of Agriculture; Company information; Commercial partner information

Arcadia is a leading agricultural biotechnology trait company

Arcadia BIOSCIENCES

1. Major global markets for agricultural crop yield
2. High-value yield traits
3. Unique model increases value, reduces risk
4. Late-stage portfolio, 13 products in Phase 3 or later
5. Partnered with market leaders in target crops
6. Clear path to sustained financial growth

Portfolio of late-stage yield traits creates a compelling case for new investment in agriculture