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nexsteppe

DEDICATED TO SUSTAINABILITY

NexSteppe Vision

Be a leading provider of scalable, reliable and sustainable feedstock solutions for the biofuels, biopower, biogas and biobased product industries

Dedicated Crop as Feedstock Solution

- Reliable, scalable supply
- Production cost, not volatile market price
- Reduced transport distance
- Better biomass quality

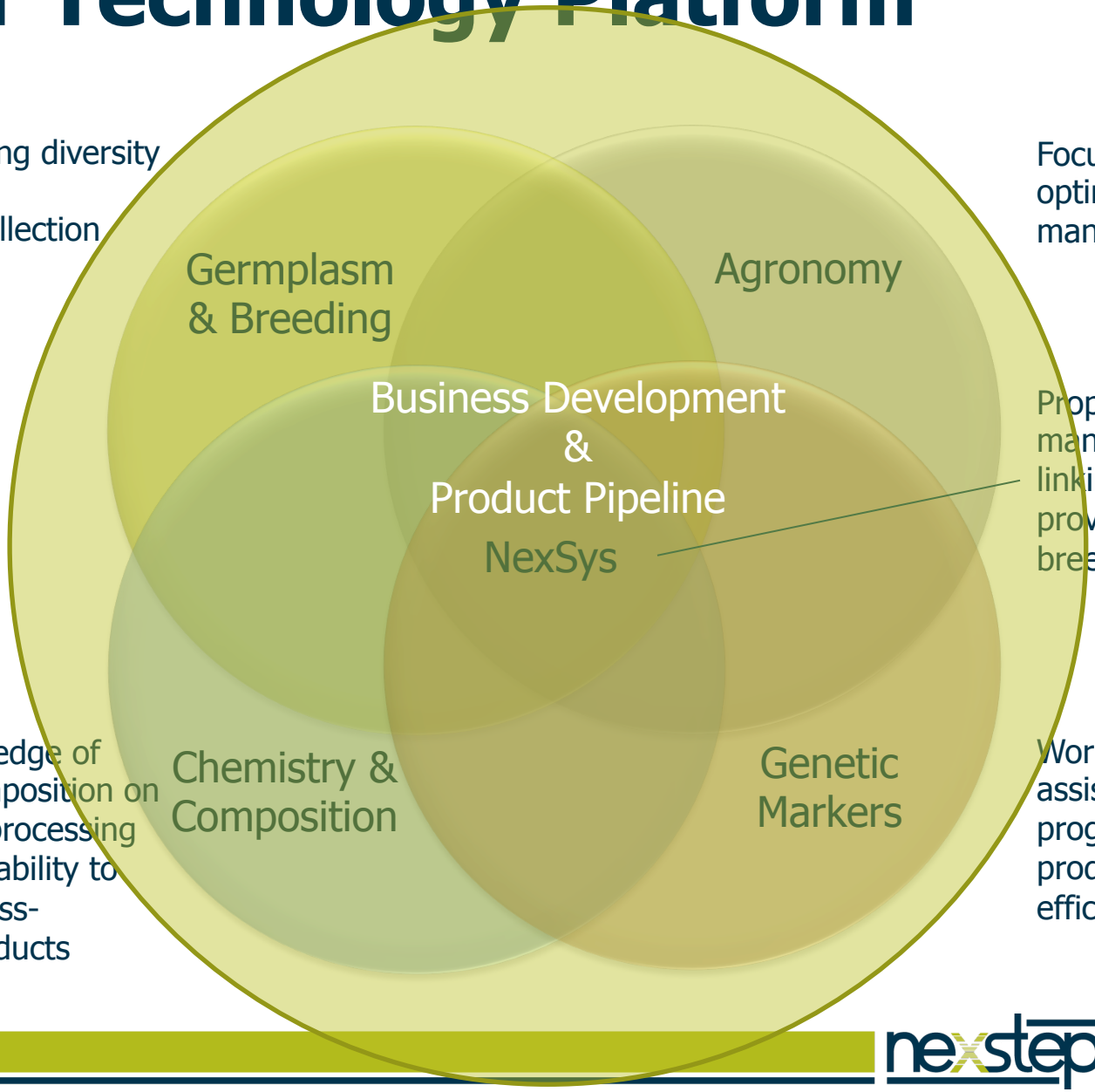
Why Sorghum?

- For the grower…
  - High yielding
  - Short cycle
  - Can be rotated with other crops
  - Established agronomic systems
- For the processor/project developer…
  - Drop-in / high-quality
  - Broad geographic adaptation
  - Range of maturities
  - Heat and drought tolerant
- For the seed company…
  - Huge genetic diversity
  - Rapid breeding and product development cycle
  - Fast scale-up
  - Established hybrid systems
  - Seed propagated

Our Technology Platform

Industry leading diversity and quality of germplasm collection

Focus on developing optimized crop management practices



Proprietary data management system linking information and providing insight to breeding program

Unique knowledge of impact of composition on downstream processing and resulting ability to develop process-optimized products

World-class marker-assisted breeding program to enhance product improvement efficiency

Our Product Lines

Palo Alto
Biomass
Sorghum

→ **Low Moisture Biomass** → **Biopower**

Malibu
Sweet
Sorghum

→ **Fermentable Sugar** → **Advanced Biofuels & Biobased Products**

Metano Alto
Biogas
Sorghum

→ **High Methane Production** → **Biogas & Biomethane**

Carbo Alto
Cellulosic
Sorghum

→ **High Carbohydrate Biomass** → **Cellulosic Biofuels**

Palo Alto Biomass Sorghum

- Annual crop
- 100-130 day cycle
- Low water requirements
- 20-25 dry tons per hectare
- Low moisture at harvest

Commercial Seed Shipping to Customers

Palo Alto in Texas at 90 Days

Palo Alto in Brazil at 130 Days

Palo Alto vs. Energycane Under Drought Stress

Palo Alto 67 days after planting vs. Energycane at 83

Malibu Sweet Sorghum

- Annual sugar crop
- 85-130 day cycle
- Low water requirements
- 50+ tonnes/ha @ 16%+ sugars

Malibu vs. Sugarcane

Palo Alto *(Biomass sorghum for biopower & cellulosic biofuels)*

compared to: Malibu *(Sweet Sorghum for 1G ethanol)*

Metano Alto

- Annual crop
- 85-130 day cycle
- Low water requirements
- Optimized for tonnes/hectare and methane yield/tonne

Carbo Alto

- Annual crop
- 100-130 day cycle
- Low water requirements
- High “adjusted lignocellulosic content” to comply with EPA regulations

NexSteppe Today

2015 Rio Verde Field Day

2015 China Field Day

2015 German Field Day

Competitor hybrid

NexSteppe NS009

NexSteppe NS264

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