

Research and Technical Transfer

Tarryn Wettergreen

SASEV Information Days | 15, 17 & 19 August 2022



Why does SATI fund research?

MISSION

Our mission at SATI intends to become a progressive growth oriented industry representative, recognised as a **global leader** in the Table Grape Industry and an authentic leader in the South African agricultural sector.

We will **expand our industry's opportunities within existing markets and diversify the industry's current market risk profile** in order to improve and protect the industry's position in the global table grape market.

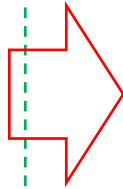
We will continue to increase our responsiveness to our shareholders and clients needs in order to **improve industry efficiencies and competitiveness** by providing timeous and credible industry information and market intelligence.

We will accomplish this through the consolidation of producer and exporter efforts, **developing credible people and practices** in the industry as well as strong alliances and partnerships with all our stakeholders

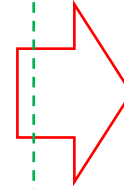
Why does SATI fund research?



MISSION



Research & Technical Transfer



Focus areas

- ✓ Market access
- ✓ Support improved on-farm efficiencies and practices
- ✓ Support improved competitiveness



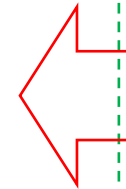
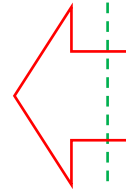
VALUES

- ✓ Evidence-based
- ✓ Agile and Flexible
- ✓ Transparent
- ✓ Outcomes-driven



OUTPUTS

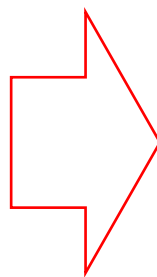
- ✓ Support market access initiatives
- ✓ Knowledge advancement/confirmation
- ✓ Solve industry problems
- ✓ Develop capacity



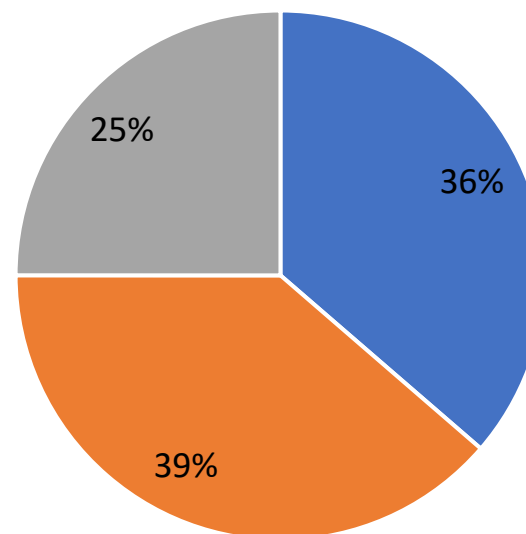
What has SATI funded?

Focus areas

- ✓ Support new market access
- ✓ Preserve existing market access
- ✓ Support improved on-farm efficiencies and practices
- ✓ Support improved competitiveness

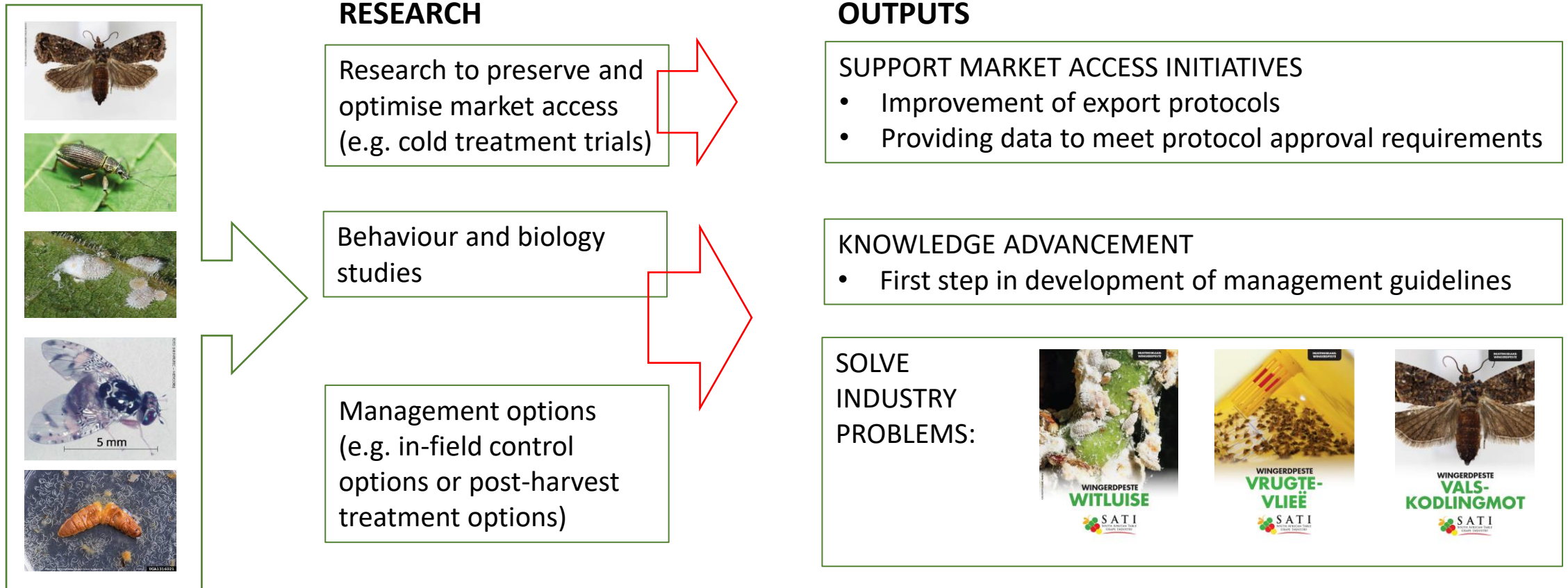


Percent of total spend (2013 – 2021)



■ Improved competitiveness ■ Improved efficiencies/practices ■ Market Access

What has SATI funded?



What has SATI funded?

IMPROVED
EFFICIENCIES/PRACTICES



ROOTSTOCK
EVALUATION

WATER USE

RESEARCH

- Pest Management
- Disease Management
- Plant material
- Production
- Water management
- Soil and nutrient management
- Post-harvest management



OUTPUTS

- ✓ Knowledge advancement/confirmation
- ✓ Solve industry problems
- ✓ Develop resources (capacity)

<https://www.satgi.co.za>

Knowledge hub → Online library

What has SATI funded?

About the SATI Research Library

The SATI Research Library is an easy to navigate database of which consolidates where to find table grape research. It includes links to scientific articles, MSc and PhD theses and SATI-funded research reports.

Documents collection

The Documents collection contains all documents regardless of document type. This collection can be used to browse the entire SATI Research Library, and perform search queries. Advanced searches using boolean logic on specific fields can be performed on the [advanced search](#) page.

Document type collections

These collections cover specific document types from the Research Library, each representing a subset of the complete Documents collection.

SA articles collection

The SA articles collection contains articles written by South African authors pertaining to research on the entire value chain of table grapes, sourced from CREST's SA Knowledgebase, Clarivate Analytics Web of Science and Elsevier Scopus.

[Browse collection](#)

Non-SA articles collection

The Non-SA articles collection contains articles written by international authors pertaining to research on the entire value chain of table grapes, sourced from CREST's SA Knowledgebase, Clarivate Analytics Web of Science and Elsevier Scopus.

[Browse collection](#)

Industry articles collection

The industry article collection contains relevant contributions from the South African Fruit Journal, a trade magazine launched in June 2001, which includes a dedicated section for the South African table grape sector.

[Browse collection](#)

Theses collection

The theses collection contains theses and dissertations published at South African universities, contained in the CREST South African Theses Database, covering the complete value chain of table grapes.

[Browse collection](#)

Research reports collection

The research reports collection contains the findings of SATI-funded research. SATI supports research aimed at addressing gaps that will assist South African table grape producers to access various markets and to remain profitable and sustainable.

[Browse collection](#)

Technical bulletins collection

The SATI Technical Bulletin is a publication that has published articles specific to the table grape industry. The focus is strongly on the transfer of technical or research knowledge. It was published between 2014 and 2018.

[Browse collection](#)

What has SATI funded?



[HOME](#) | [ALL DOCUMENTS](#) [SA ARTICLES](#) [NON-SA ARTICLES](#) [INDUSTRY ARTICLES](#) [THESES](#) [RESEARCH REPORTS](#) [TECHNICAL BULLETINS](#)
[ADVANCED SEARCH](#) [VALUE CHAIN SEARCH](#)

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What has SATI funded?

This collection

To view more information about this collection, please visit the [collection home page](#).

Export selection

Choose items to export by using the checkboxes next to each record, or select the whole page:

[Select page](#) | [Deselect all](#)

Excel CSV

Help

This page displays the results of a basic search of the Documents collection. The items displayed can be exported, up to a maximum of 50 items (all the items on a page).

Using the Research Library

The SATI Research Library is divided into collections corresponding to specific document types. Each collection can be browsed and searched, with searches covering the full metadata loaded into the database

Search

All Documents

[Advanced search](#)

About the Documents collection

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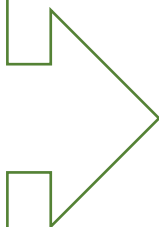
Documents (300)

- Dealing with decay – Ensuring table grape quality** INDUSTRY ARTICLE
By: Bonthuys, Jorisna
Year Published: 2021/2022 **Source:** South African Fruit Journal [View article](#)
Efforts to enhance the postharvest quality of table grapes and in the process unlock and secure markets, was also amongst the topics that came under the spotlight during the recent SASEV information day.
Keywords: *decay, postharvest quality, table grape quality*
- Postharvest management of table grapes** INDUSTRY ARTICLE
By: Wettergreen, Tarryn
Year Published: 2021/2022 **Source:** South African Fruit Journal [View article](#)
On 31 August and 28 September 2021, SATI hosted and broadcast its first online seminar titled “Postharvest Seminar” which was targeted at South African table grape producers and exporters.
Keywords: *postharvest management, Postharvest management of table grapes, Table Grapes*

What has SATI funded?

IMPROVED COMPETITIVENESS

BREEDING & EVALUATION OF ARC
CULTIVARS



PROGRAMME ACTIONS	EXISTING ACTIVITIES	ADDITIONAL ACTIVITIES
Pre-breeding	Downy Mildew Powdery Mildew Bacterial Blight	Gene screening for marker assisted breeding
Breeding	Conventional	
Screening	ARC Sites (Sub-optimal management)	Lelienfontein (2.5 ha under nets; well managed)
Small-scale evaluation	ARC Sites	Provar
Industry-wide evaluation	Not done – ARC sites (Stellenbosch, Paarl, Hex)	Grafted in all regions (Provar)
Commercialisation Activities	Cleaning of material	Fast-tracked “cleaning” of material DNA Fingerprinting

Where to next?

Post-harvest research

- Consolidate existing knowledge
- Identify research gaps
- Advance knowledge
- Build capacity

Soil Management & Nutrition

- Identify new research gaps
- Advance knowledge
- Build capacity

Identification of research projects

- Consider inputs beyond market access and producer surveys

Future planning

- Research currently largely addresses past or present problems



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