



NB: The instructions in red, throughout the template, should be omitted from the final document.

**R&D PROJECT APPLICATION
(2022)**

1. PROGRAMME AND PROJECT LEADER INFORMATION

	Research Organisation Programme leader	Project leader
Title, initials, surname		
Present position		
Organisation, department		
Tel / cell number		
E-mail		

2. FRESH HORTICULTURAL COMMODITY APPLICABLE TO THE PROJECT

Please tick the appropriate block/s.

Pome Fruit		Stone Fruit		Table Grapes		Subtropical Fruit	
Pomegranates		Blue Berries		Cape Flora (Fynbos)			

3. PROJECT INFORMATION

Project title			
Project Short title			
Fresh horticultural commodity/kind(s) (where applicable)			
Start date (mm/yyyy)		End date (mm/yyyy)	
Key words			

Approved by Research Organisation Programme leader (tick box)

IF THIS PROJECT FOLLOWS ON FROM PREVIOUSLY FUNDED WORK, LIST THE PROJECT TITLES AND DATES BELOW (REGARDLESS OF WHO FUNDED THE WORK)

4. PROBLEM IDENTIFICATION AND MOTIVATION

Briefly state the problem being addressed and the ultimate aim of the project.

5. OBJECTIVES AND MILESTONE(S) TABLE

Complete the table below by stating the objectives of the proposed research. List milestones (not tasks) for each objective. Indicate when each objective is expected to be achieved. Add additional rows if required. The table should provide a clear and complete breakdown of the project for its entire duration. Please use the example below as a guide.

Objectives	Milestones (Significant event or stage in a project)	Target Date
Objective 1: Classification of browning phenotypes with NIR/MIR imaging technologies.	Classifying the different browning phenotypes	December 2022
	Investigating spectral changes associated with the development of browning phenotypes during the post-harvest period.	December 2023
Objective 2: Application of advanced chemical analysis methods to investigate the chemical nature of the compounds responsible for grape browning.	Untargeted fractionation and screening of fractions for levels of browning pigments.	December 2024
	Detailed chemical analysis of fractions containing the highest levels of browning pigments.	December 2024

6. WORKPLAN (MATERIALS AND METHODS)

- *Link the workplan to the milestone numbers above to indicate which actions match which milestones.*
- *List trial sites, treatments, experimental layout and statistical detail, sampling detail, cold storage and examination stages and parameters.*
- *Confirm that the trial layout and sampling procedures are statistically sound.*

Trial layout and sampling procedures are statistically sound (tick box)

7. PROJECT RISKS

List the potential risks to this project and indicate the likelihood that the risk could occur (High /Medium / Low)

Project Risk(s)	Likelihood of occurrence (H/M/L)

Detail potential remedial action that may be taken to mitigate against these risks.

8. INDUSTRY FEEDBACK

You are required to make contact with the relevant industry about your proposed research project for their input. List the Industry contacts (at least three) you have made and their expectations of the proposed project.

Industry organisation	Contact person	Industry expectations/feedback

9. PLANNED OUTPUTS

a) TECHNOLOGY DEVELOPMENT, PRODUCTS AND PATENTS

*Indicate the commercial potential of this project (intellectual property rights or a commercial product(s)). This also refers to the applicable findings of the research.
(This information is important to the Department of Science and Innovation (DSI) – PHI Funding partner as it reflects PHI's measurable milestones)*

b) STUDENTS

Indicate the number of students that will be trained. State "unknown" where students identified are not yet confirmed.

(This information is important to the Department of Science and Innovation (DSI) – PHI Funding partner as it reflects PHI's measurable milestones)

Student Name and Surname	Student Nationality	Student Race	Degree (e.g. MSc Agric, MCom)	Course	Student ID	Institution	Start Year	End Year	Contact Number	Contact Email	Total cost throughout the project
Honours students											
Masters Students											
PhD students											
Postdocs											

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April 2022

c) INTERNS

Indicate the number of interns that will be trained. State “unknown” where interns identified are not yet confirmed.

(This information is important to the Department of Science and Innovation (DSI) – PHI Funding partner as it reflects PHI’s measurable milestones)

Intern Name	Intern Surname	Intern Nationality	Intern Race	Degree (e.g. MSc Agric, MComm)	ID Number	Internship required for Qualification (Yes/No)	Internship required for Work Exposure (Yes/No)	Institution	Start Year	End Year	Contact Number	Contact Email	Total cost throughout the project

d) LIKELY PUBLICATIONS (POPULAR, PRESS RELEASES, SEMI-SCIENTIFIC, SCIENTIFIC)

Please do not list project reports

e) PRESENTATIONS/PAPERS THAT COULD BE DELIVERED

10. IMPACT OF PROJECT AND RETURN ON INVESTMENT (ROI)

Indicate the project category in the table below

New Knowledge	Applicable to Supply Chain	Direct Grower Application	Direct Packhouse Application	Other

Please use the space below to describe in detail the envisaged impact of the outcome of the project to the industry – What is the value of the project to industry?

11. PERSONS PARTICIPATING IN THE PROJECT (*Excluding students*)

Initials & Surname	Highest Qualification	Degree/ Diploma registered for	Race (1)	Nationality	Gender (2)	Institution & Department	Position (3)	Role, responsibility and accountability of team member (link to the specific milestones or work plan)	** Cost to Project R

**** (The following is only applicable to persons who participate as Consultants to the project or on Contract)**

⁽¹⁾Race B = African, Coloured or Indian
 W = White

⁽²⁾Gender F = Female
 M = Male

⁽³⁾Position Co = Co-worker (other researcher at your institution)
 Coll = Collaborator (participating researcher that does not receive funding for this project from industry/PHI)
 PF = Post-doctoral fellow
 PL = Project leader
 RA = Research assistant
 TA = Technical assistant/technician

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April 2022

12. BUDGET (Insert additional rows if required)

Budget Line Items	All Costs Excluding VAT, except for institutions that are <u>not</u> registered for VAT. Institutions that are not VAT registered, must include the VAT amount as an expense.
Operating Costs:	June 2022 – March 2025
Research Personnel, including administrative assistance (directly linked to project)	
Research & Technical Assistance (directly linked to project)	
Study / Training Visits (A detailed cost breakdown is required)	
Research Materials and Supplies (specify each item):	
Research Equipment	
Domestic Travel & Accommodation	
Capital Items (Note, these are not funded by PHI)	
Overheads (only if part of project costs)	
TOTAL COST OF PROJECT (Total Amount)	

*Industries will only fund capital items under exceptional circumstances

* PHI does not fund capital items.

TOTAL FUNDING REQUIRED FOR EACH YEAR

2022/23	2023/24	2024/25	2025/26	TOTAL

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BUDGET MOTIVATION / DESCRIPTION/S

Please use the following table to provide a detailed description/s and/or motivation of budget line items where required. Please insert additional rows if required.

Budget Item	Motivation / detailed description of budget item
Research Personnel including administrative assistance (directly linked to project)	
Research & Technical Assistance (directly linked to project)	
Study / Training Visits (specify)	
Research Materials and Supplies (specify each item)	
Research Equipment	
Domestic Travel and Accommodation	

EVALUATION BY INDUSTRY

This section is for office use only

Project number	
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Project name	
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Name of Sub-Committee*	
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Comments on project

Committee's recommendation

- Accepted.

- Accepted provisionally if the sub-committee's comments are also addressed.
Resubmit this New Project Application by _____

- Unacceptable.

Chairperson _____ Date _____