

# DA-meter software development

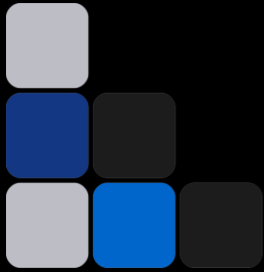
Partners:

Agriculture Victoria Research

Instrument and Data Tools (ID Tools) Pty Ltd

Summerfruit Australia Ltd





Instruments  
& Data Tools

# DA Software

User interface for handling DA Meter data

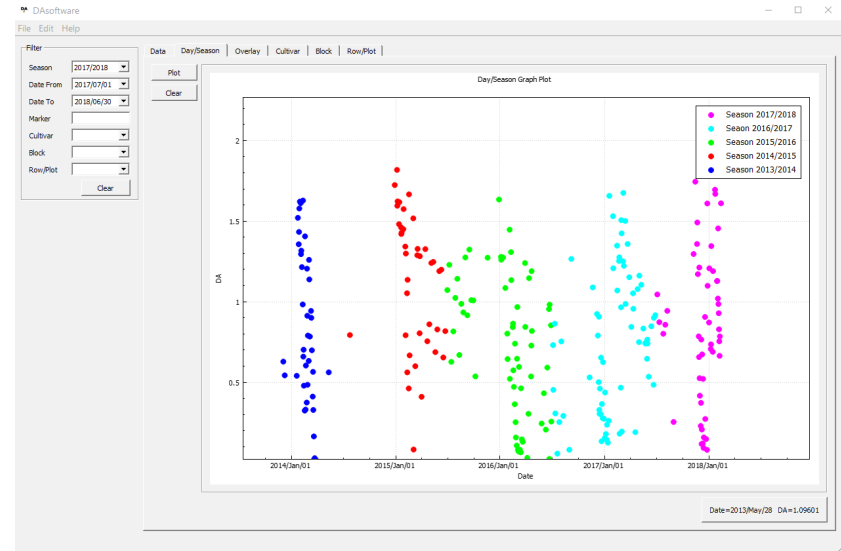
Daniel Pelliccia

Horticulture Innovation Fund GA-F692259482,  
"DA Meter software development"

[idtools.com.au](http://idtools.com.au)

# DA Software: features

- Data
  - Import DA meter data
  - Basic stats on the data
  - Label data
  - Export to Excel
- Charts
  - Time charts → trends
  - Bar charts → comparisons

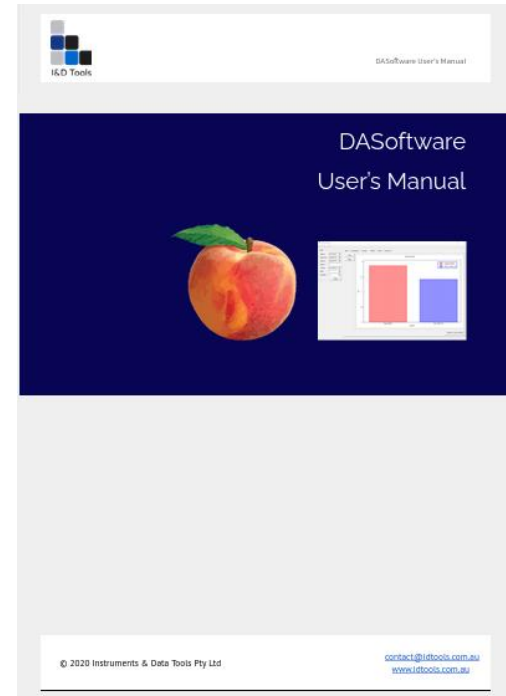


# DA Software: installation

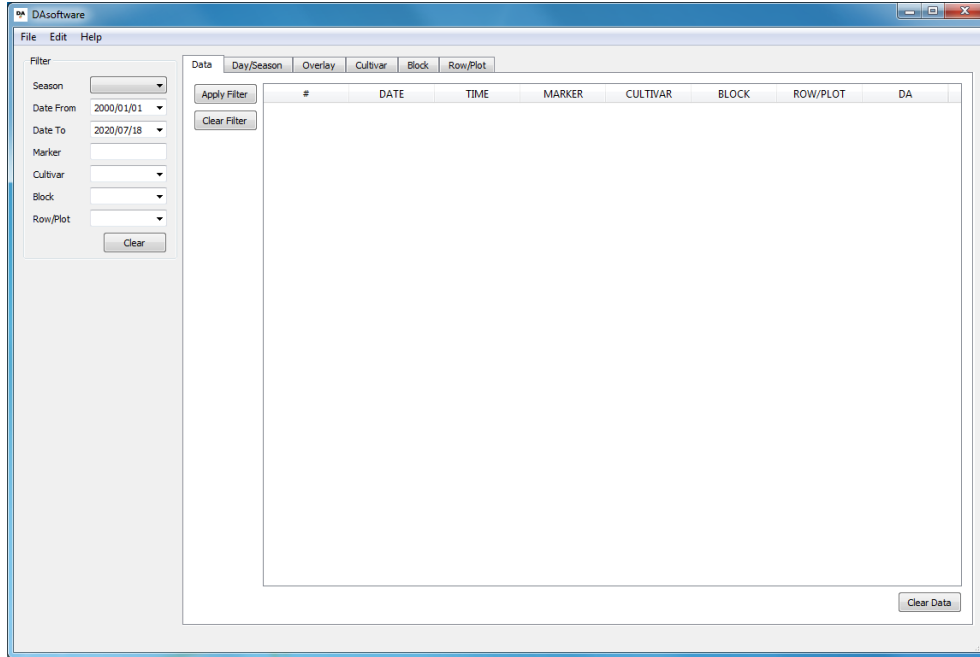
- 1) DA Software can be downloaded as a compressed (zip) folder for Windows OS.
- 2) The first time:
  - a) Extract folder
  - b) Run VC\_redist.x64.exe
  - c) Run DAsoftware.exe
- 3) From then on simply run DAsoftware.exe

# Download and user's manual

- Software and user's manual are available for download on the HIN website  
<http://www.hin.com.au/networks/profitable-stonefruit-research/da-software>

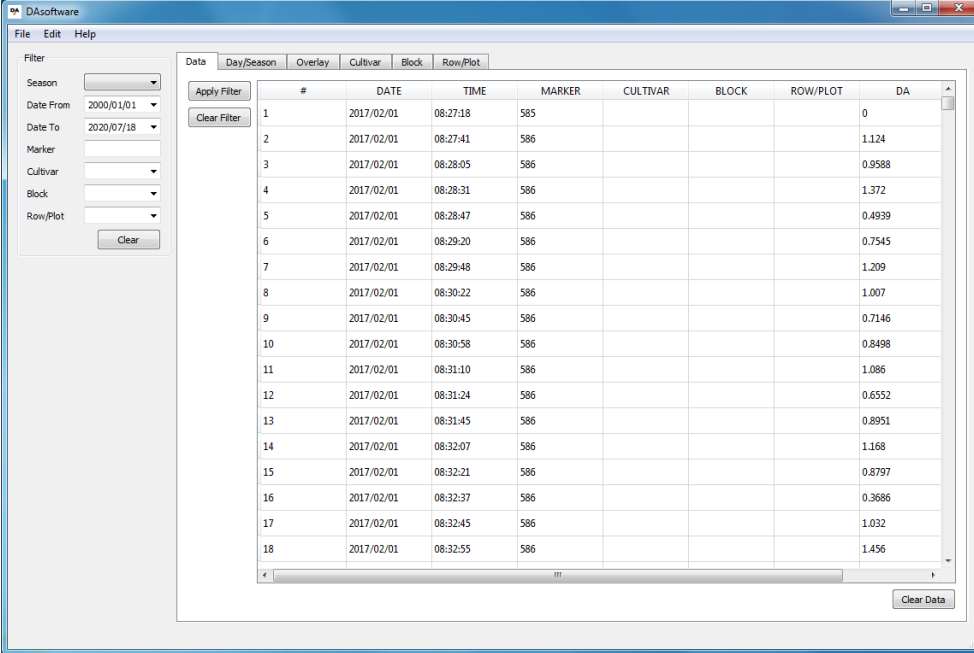


# Additional pictures



- Initial screen of the DAsoftware

# Additional pictures



DAsoftware

File Edit Help

Filter

Season: [Dropdown]

Date From: 2000/01/01 [Dropdown]

Date To: 2020/07/18 [Dropdown]

Marker: [Dropdown]

Cultivar: [Dropdown]

Block: [Dropdown]

Row/Plot: [Dropdown]

Clear

Data Day/Season Overlay Cultivar Block Row/Plot

Apply Filter

Clear Filter

#	DATE	TIME	MARKER	CULTIVAR	BLOCK	ROW/PLOT	DA
1	2017/02/01	08:27:18	585				0
2	2017/02/01	08:27:41	586				1.124
3	2017/02/01	08:28:05	586				0.9588
4	2017/02/01	08:28:31	586				1.372
5	2017/02/01	08:28:47	586				0.4939
6	2017/02/01	08:29:20	586				0.7545
7	2017/02/01	08:29:48	586				1.209
8	2017/02/01	08:30:22	586				1.007
9	2017/02/01	08:30:45	586				0.7146
10	2017/02/01	08:30:58	586				0.8498
11	2017/02/01	08:31:10	586				1.086
12	2017/02/01	08:31:24	586				0.6552
13	2017/02/01	08:31:45	586				0.8951
14	2017/02/01	08:32:07	586				1.168
15	2017/02/01	08:32:21	586				0.8797
16	2017/02/01	08:32:37	586				0.3686
17	2017/02/01	08:32:45	586				1.032
18	2017/02/01	08:32:55	586				1.456

Clear Data

- DA-meter data loaded from the SD card

# Additional pictures

DAsoftware

File Edit Help

Filter

Season: [Dropdown]  
Date From: 2000/01/01 [Dropdown]  
Date To: 2020/07/14 [Dropdown]  
Marker: 698 [Text]  
Cultivar: [Dropdown]  
Block: [Dropdown]  
Row/Plot: [Dropdown]  
Clear

Data | Day/Season | Overlay | Cultivar | Block | Row/Plot

#	DATE	TIME	MARKER	CULTIVAR	BLOCK	ROW/PLOT	DA
532	2017/12/27	13:14:23	698	August Flame			2.032
533	2017/12/27	13:14:32	698	August Flame			1.954
534	2017/12/27	13:14:43	698	August Flame			1.857
535	2017/12/27	13:14:54	698	August Flame			2.106
536	2017/12/27	13:15:03	698	August Flame			1.982
537	2017/12/27	13:15:13	698	August Flame			1.987
538	2017/12/27	13:15:25	698	August Flame			1.914
539	2017/12/27	13:15:34	698	August Flame			1.859
540	2017/12/27	13:15:42	698	August Flame			1.846
541	2017/12/27	13:15:56	698	August Flame			1.832
542	2017/12/27	13:16:05	698	August Flame			2.281
543	2017/12/27	13:16:19	698	Snow Flame 25			1.864
544	2017/12/27	13:16:27	698				2.113
545	2017/12/27	13:16:37	698				2.111
546	2017/12/27	13:16:48	698				1.894
547	2017/12/27	13:17:02	698				1.916
548	2017/12/27	13:17:11	698				1.9
549	2017/12/27	13:17:24	698				2.242

Apply Filter | Clear Filter

Clear Data

DAsoftware

File Edit Help

Filter

Season: [Dropdown]  
Date From: 2000/01/01 [Dropdown]  
Date To: 2020/07/14 [Dropdown]  
Marker: [Dropdown]  
Cultivar: [Dropdown]  
Block: [Dropdown]  
Row/Plot: [Dropdown]  
Clear

Data | Day/Season | Overlay | Cultivar | Block | Row/Plot

Cultivar List

- August Flame
- Snow Flame 25

Edit Entry

Edit Cultivar:  
Snow Flame 25

OK Cancel

Add Edit Delete Reset

OK Cancel

Selecting cultivars



# Additional pictures

DAsoftware

File Edit Help

Filter

Season: 2017/2018

Date From: 2000/01/01

Date To: 2020/07/14

Marker: 714

Cultivar: [dropdown]

Block: [dropdown]

Row/Plot: [dropdown]

Clear

Data Day/Season O

Apply Filter

Clear Filter

1

2

3

4

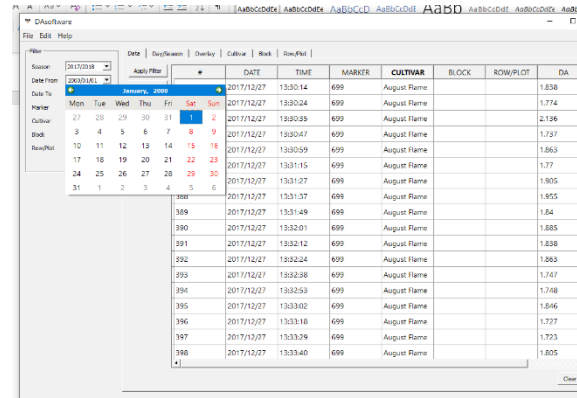
5

6

7

8

9

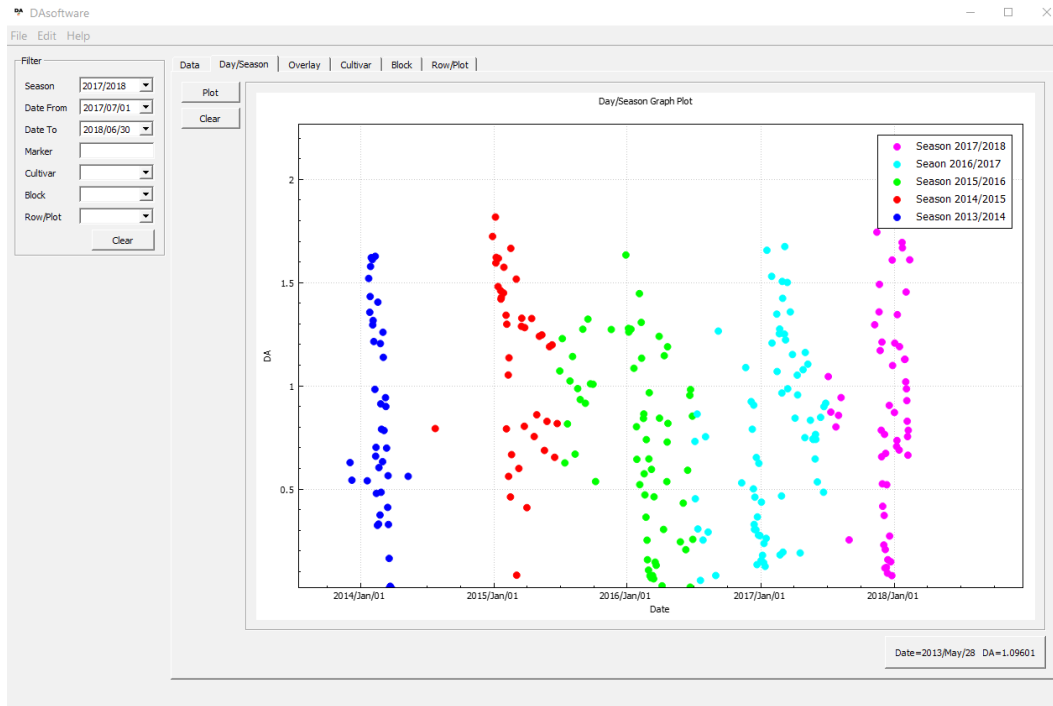


The screenshot shows the DAsoftware interface with a calendar for August 2017. The date range from August 1st to August 14th is selected. Below the calendar is a data table with columns for DATE, TIME, MARKER, CULTIVAR, BLOCK, ROW/PLOT, and DA.

DATE	TIME	MARKER	CULTIVAR	BLOCK	ROW/PLOT	DA
2017/12/27	13:30:14	699	August Flame			1.838
2017/12/27	13:30:24	699	August Flame			1.774
2017/12/27	13:30:38	699	August Flame			2.136
2017/12/27	13:30:47	699	August Flame			1.727
2017/12/27	13:30:59	699	August Flame			1.863
2017/12/27	13:31:15	699	August Flame			1.77
2017/12/27	13:31:27	699	August Flame			1.905
2017/12/27	13:31:37	699	August Flame			1.955
2017/12/27	13:31:49	699	August Flame			1.84
2017/12/27	13:32:01	699	August Flame			1.885
2017/12/27	13:32:12	699	August Flame			1.838
2017/12/27	13:32:24	699	August Flame			1.883
2017/12/27	13:32:38	699	August Flame			1.767
2017/12/27	13:32:53	699	August Flame			1.768
2017/12/27	13:33:02	699	August Flame			1.846
2017/12/27	13:33:18	699	August Flame			1.727
2017/12/27	13:33:29	699	August Flame			1.723
2017/12/27	13:33:40	699	August Flame			1.805

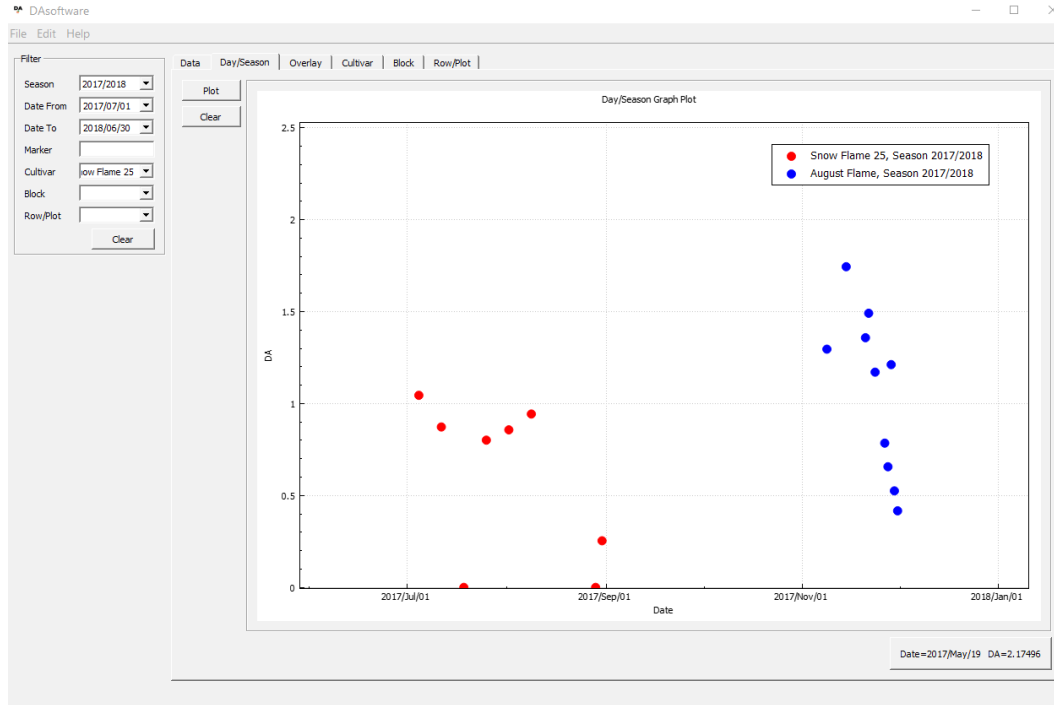
- Selecting date range

# Additional pictures



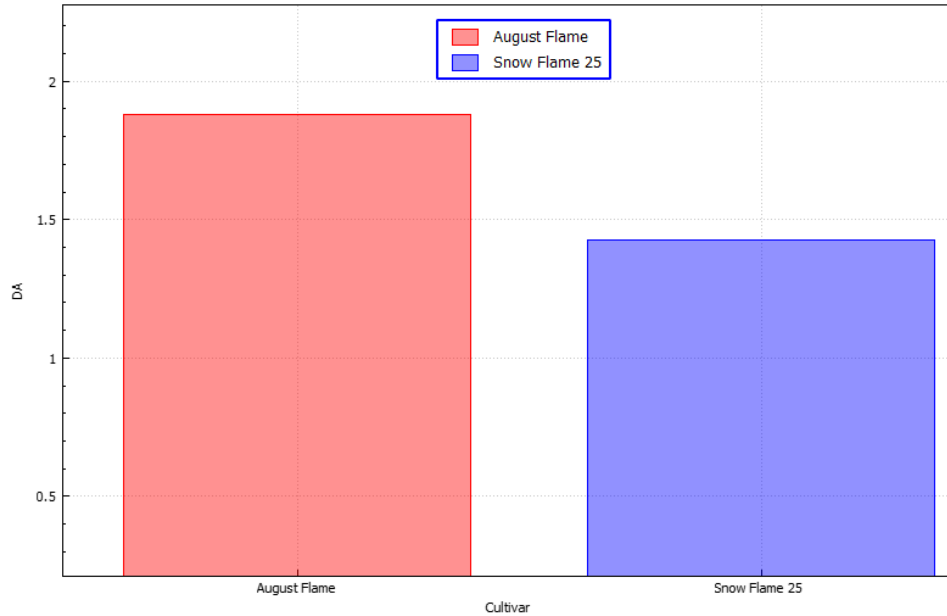
Comparing DA values across seasons

# Additional pictures



Comparing DA values between cultivars

# Additional pictures



- Bar chart: comparing average DA value across cultivars

