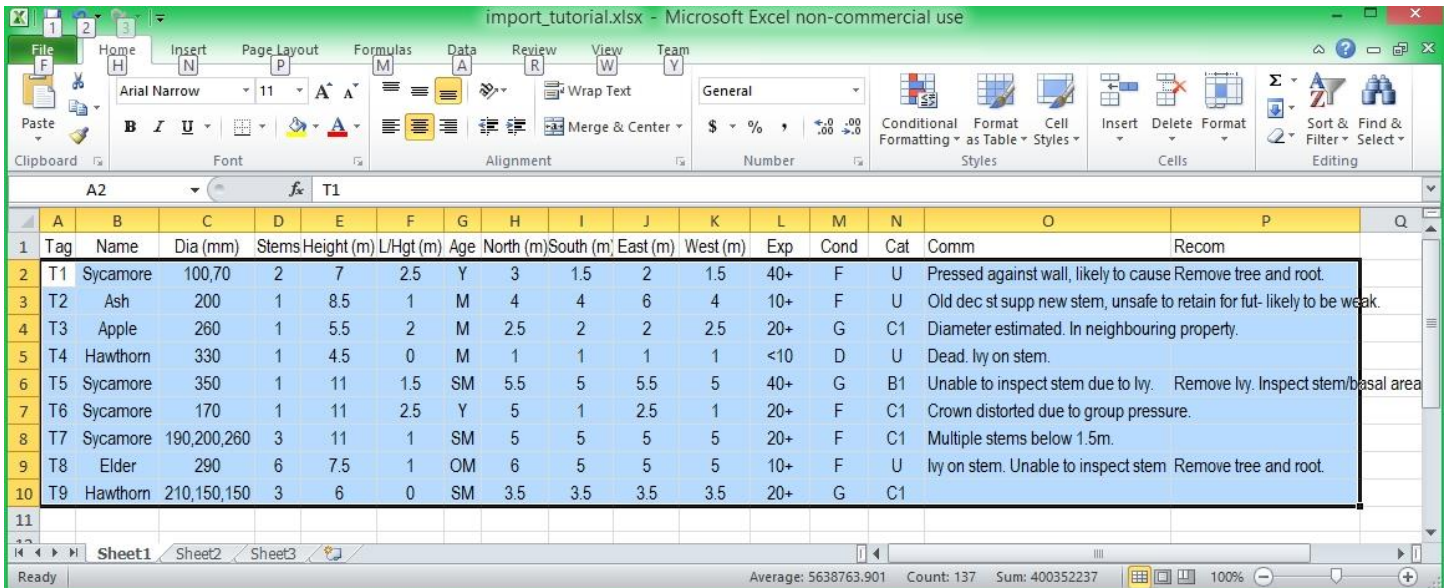


Importing Survey Data from Excel, Notepad etc

This example uses a typical small tree survey.

Ensure the BS5837 template is first in place within Axciscape by either loading the BS5837 Demo or loading the demo template.

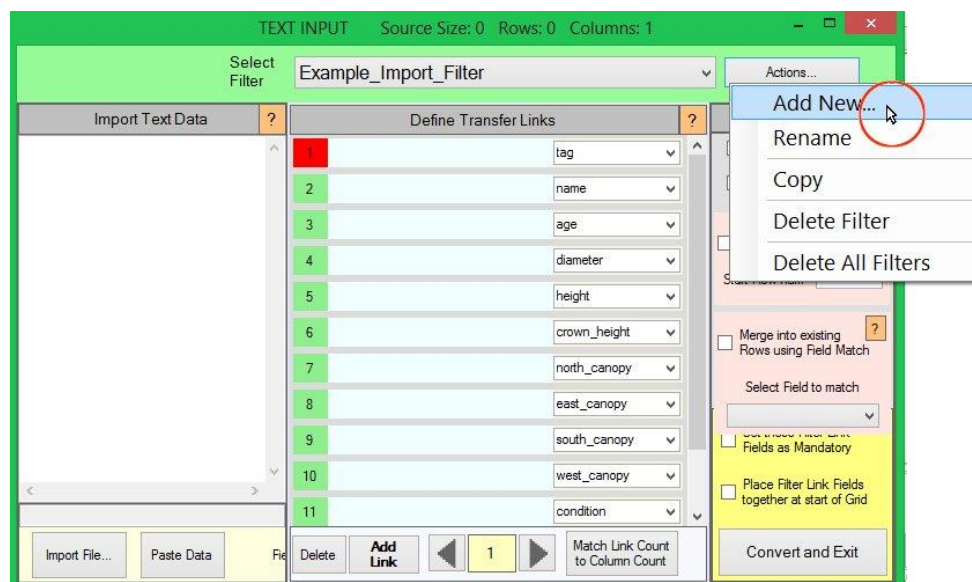
My survey is shown in Excel below. I start by selecting the columns and rows I wish to import and then select Copy.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Tag	Name	Dia (mm)	Stems	Height (m)	L/Hgt (m)	Age	North (m)	South (m)	East (m)	West (m)	Exp	Cond	Cat	Comm	Recom
2	T1	Sycamore	100,70	2	7	2.5	Y	3	1.5	2	1.5	40+	F	U	Pressed against wall, likely to cause	Remove tree and root.
3	T2	Ash	200	1	8.5	1	M	4	4	6	4	10+	F	U	Old dec st supp new stem, unsafe to retain for fut- likely to be weak.	
4	T3	Apple	260	1	5.5	2	M	2.5	2	2	2.5	20+	G	C1	Diameter estimated. In neighbouring property.	
5	T4	Hawthorn	330	1	4.5	0	M	1	1	1	1	<10	D	U	Dead. Ivy on stem.	
6	T5	Sycamore	350	1	11	1.5	SM	5.5	5	5.5	5	40+	G	B1	Unable to inspect stem due to Ivy. Remove Ivy. Inspect stem/basal area	
7	T6	Sycamore	170	1	11	2.5	Y	5	1	2.5	1	20+	F	C1	Crown distorted due to group pressure.	
8	T7	Sycamore	190,200,260	3	11	1	SM	5	5	5	5	20+	F	C1	Multiple stems below 1.5m.	
9	T8	Elder	290	6	7.5	1	OM	6	5	5	5	10+	F	U	Ivy on stem. Unable to inspect stem	Remove tree and root.
10	T9	Hawthorn	210,150,150	3	6	0	SM	3.5	3.5	3.5	3.5	20+	G	C1		

Now go to Axciscape and click on the I/O icon top left. Select the Import tab and click on Import Text. The Import window opens; probably with an example filter in place.

Click the Actions button and select Add New filter as below. When prompted add the name for the filter. I have called mine AnyText!



TEXT INPUT Source Size: 0 Rows: 0 Columns: 1

Select Filter: Example_Import_Filter

Import Text Data ? Define Transfer Links ?

	1
2	tag
3	name
4	age
5	diameter
6	height
7	crown_height
8	north_canopy
9	east_canopy
10	south_canopy
11	west_canopy
12	condition

Actions...

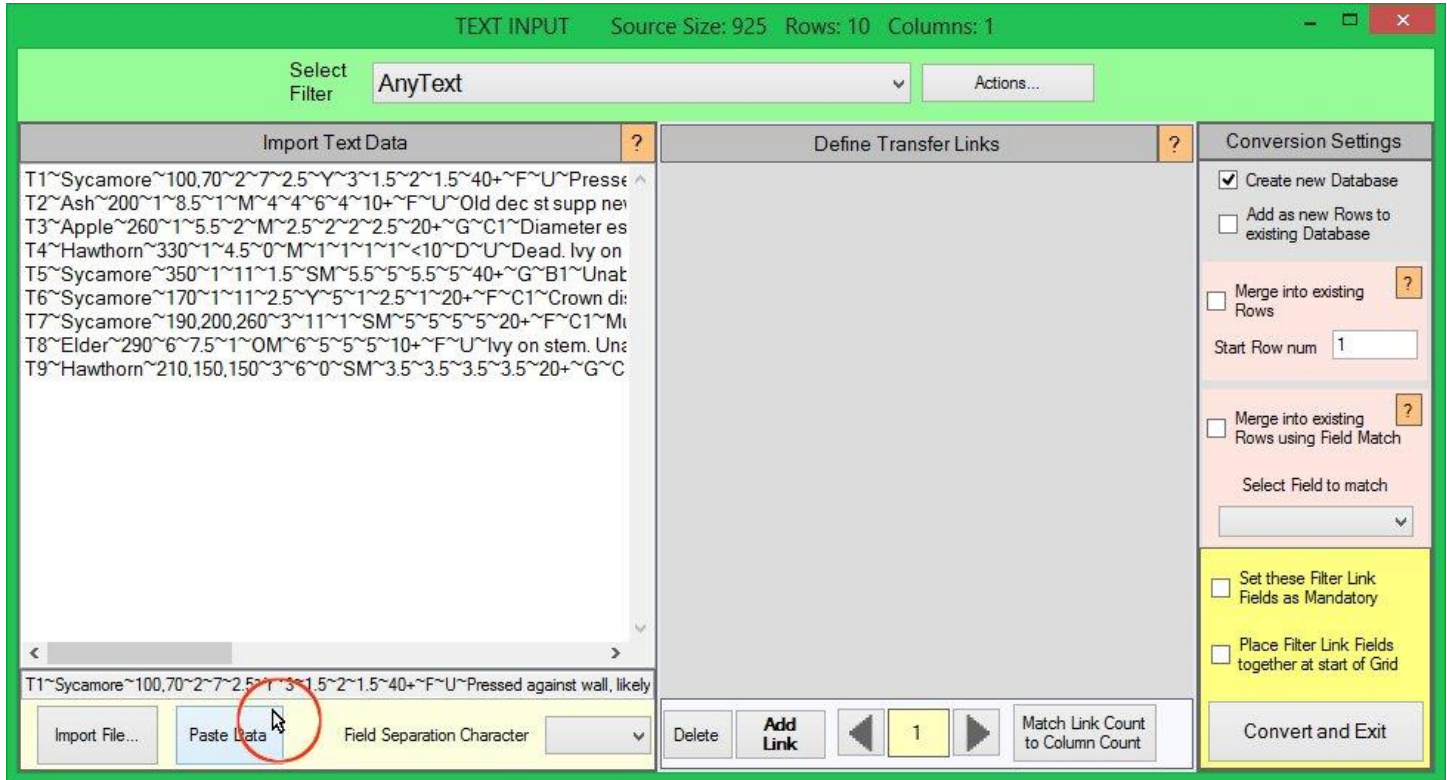
- Add New...
- Rename
- Copy
- Delete Filter
- Delete All Filters

Import File... Paste Data

Delete Add Link 1 Match Link Count to Column Count

Convert and Exit

Ensure you have copied the selected data from Excel and click on the Paste button (below). The text will appear in the source window. Excel uses Tabs to separate column data and these are always shown as a ~ symbol.



TEXT INPUT Source Size: 925 Rows: 10 Columns: 1

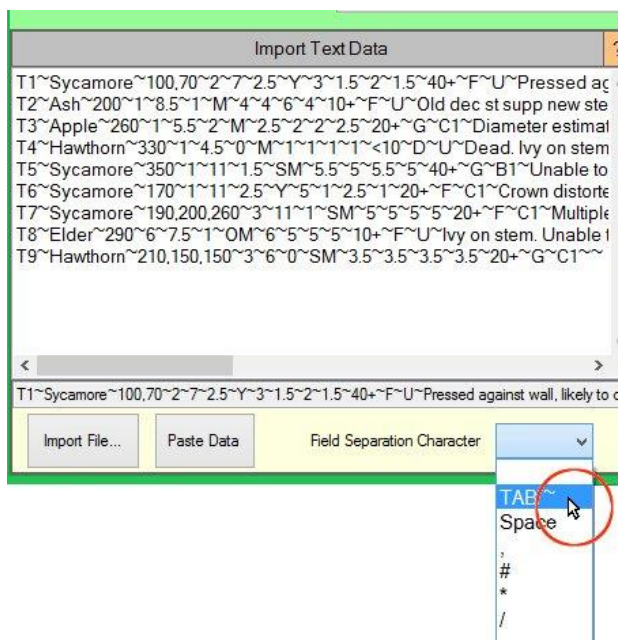
Select Filter: AnyText Actions...

Import Text Data Define Transfer Links Conversion Settings

T1~Sycamore~100,70~2~7~2.5~Y~3~1.5~2~1.5~40+~F~U~Presse
T2~Ash~200~1~8.5~1~M~4~4~6~4~10+~F~U~Old dec st supp ne
T3~Apple~260~1~5.5~2~M~2.5~2~2~2.5~20+~G~C1~Diameter es
T4~Hawthorn~330~1~4.5~0~M~1~1~1~1~1~10~D~U~Dead. Ivy on
T5~Sycamore~350~1~11~1.5~SM~5.5~5~5~5~40+~G~B1~Unat
T6~Sycamore~170~1~11~2.5~Y~5~1~2.5~1~20+~F~C1~Crown di
T7~Sycamore~190,200,260~3~11~1~SM~5~5~5~5~20+~F~C1~Mi
T8~Elder~290~6~7.5~1~OM~6~5~5~5~10+~F~U~Ivy on stem. Un
T9~Hawthorn~210,150,150~3~6~0~SM~3.5~3.5~3.5~3.5~20+~G~C

Import File... Paste Data Field Separation Character Delete Add Link Match Link Count to Column Count Convert and Exit

I must now tell the program what character is used to separate the text. So I select TAB from the drop list (below).



Import Text Data

T1~Sycamore~100,70~2~7~2.5~Y~3~1.5~2~1.5~40+~F~U~Pressed ag
T2~Ash~200~1~8.5~1~M~4~4~6~4~10+~F~U~Old dec st supp new ste
T3~Apple~260~1~5.5~2~M~2.5~2~2~2.5~20+~G~C1~Diameter estimat
T4~Hawthorn~330~1~4.5~0~M~1~1~1~1~1~10~D~U~Dead. Ivy on stem
T5~Sycamore~350~1~11~1.5~SM~5.5~5~5~5~40+~G~B1~Unable to
T6~Sycamore~170~1~11~2.5~Y~5~1~2.5~1~20+~F~C1~Crown distorte
T7~Sycamore~190,200,260~3~11~1~SM~5~5~5~5~20+~F~C1~Multiple
T8~Elder~290~6~7.5~1~OM~6~5~5~5~10+~F~U~Ivy on stem. Unable
T9~Hawthorn~210,150,150~3~6~0~SM~3.5~3.5~3.5~3.5~20+~G~C1~

Import File... Paste Data Field Separation Character

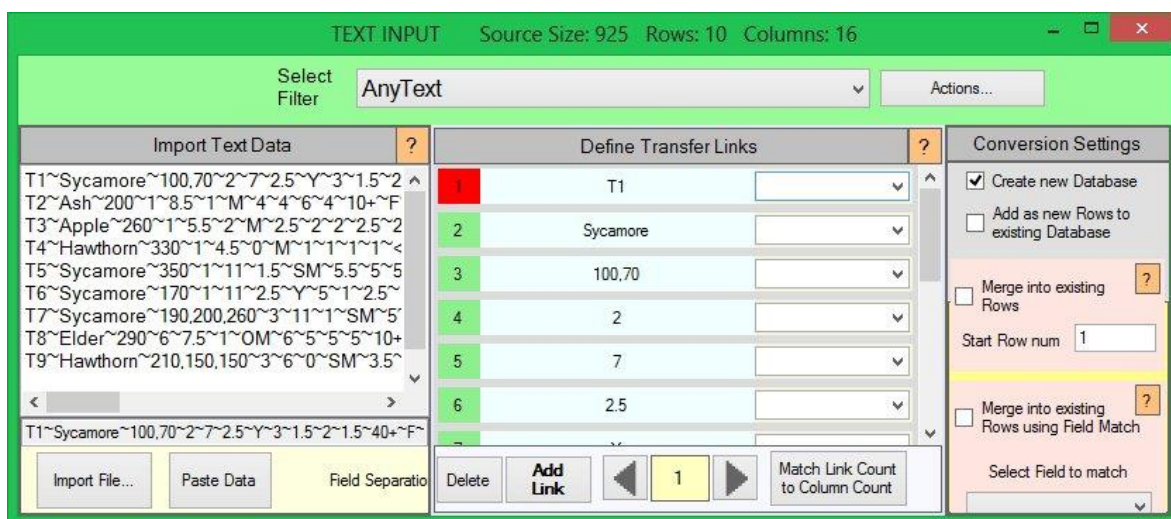
TAB
Space
;

*
/

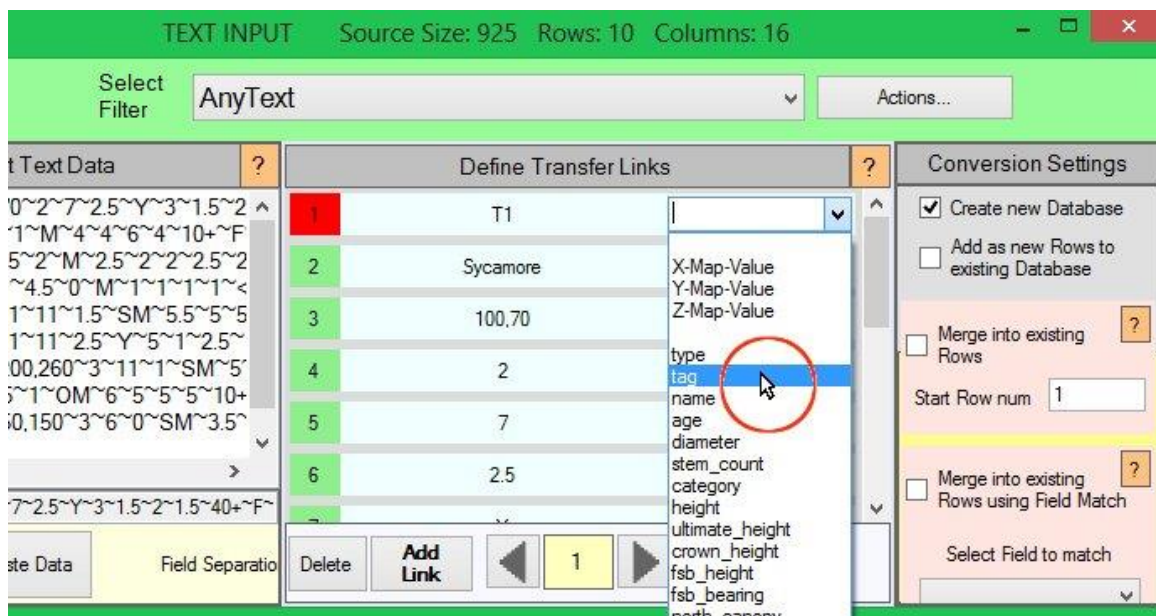
The program now knows how many columns there will be per row so I can use the Match Fields button (see below) to install the same number of Transfer Links.



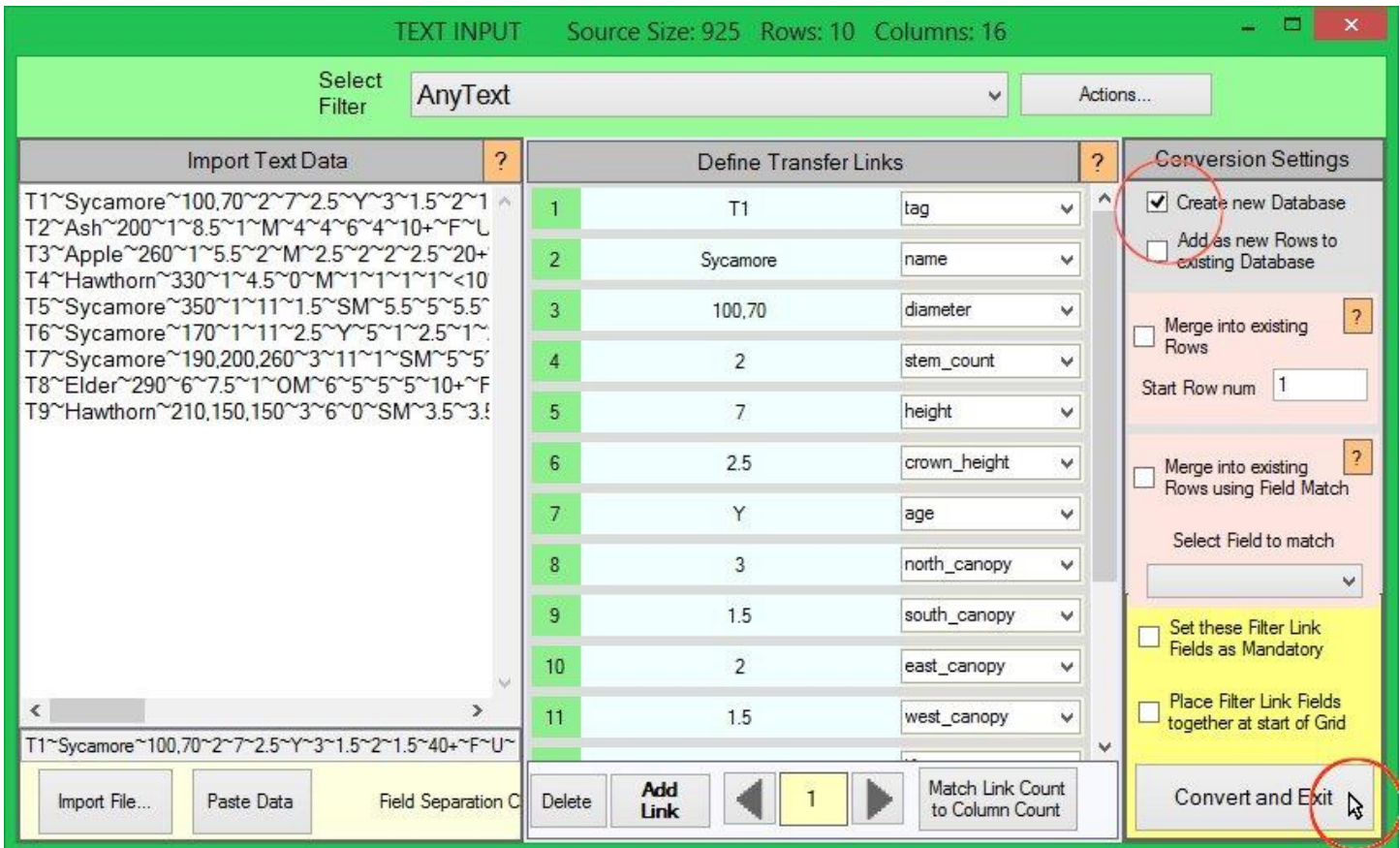
The transfer links appear with the text input divided up into columns.



It's now a case of selecting the Axciscape target field data for each text item. Do this by selecting from each link drop down menu (see below).



Do this for all links. Obviously your own data will probably appear in a different order. If you don't want to import a particular item just leave the box blank. You should end up as the following.



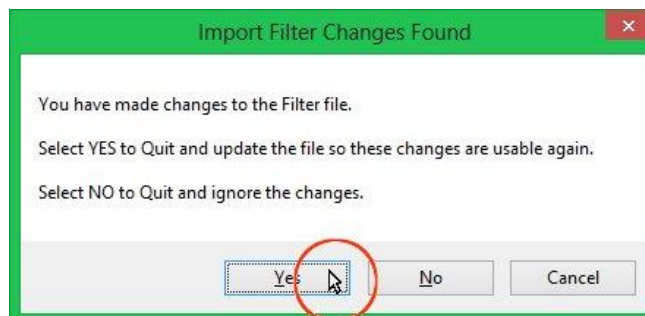
TEXT INPUT Source Size: 925 Rows: 10 Columns: 16

Select Filter: AnyText Actions...

Import Text Data	Define Transfer Links	Conversion Settings
T1~Sycamore~100.70~2~7~2.5~Y~3~1.5~2~1	1 T1 tag	<input checked="" type="checkbox"/> Create new Database
T2~Ash~200~1~8.5~1~M~4~4~6~4~10~+~F~L	2 Sycamore name	<input type="checkbox"/> Add as new Rows to existing Database
T3~Apple~260~1~5.5~2~M~2.5~2~2~2.5~20~+	3 100.70 diameter	<input type="checkbox"/> Merge into existing Rows
T4~Hawthorn~330~1~4.5~0~M~1~1~1~1~<10	4 2 stem_count	Start Row num 1
T5~Sycamore~350~1~11~1.5~SM~5.5~5~5.5~	5 7 height	<input type="checkbox"/> Merge into existing Rows using Field Match
T6~Sycamore~170~1~11~2.5~Y~5~1~2.5~1~	6 2.5 crown_height	Select Field to match
T7~Sycamore~190,200,260~3~11~1~SM~5~5~	7 Y age	<input type="checkbox"/> Set these Filter Link Fields as Mandatory
T8~Elder~290~6~7.5~1~OM~6~5~5~5~10~+~F	8 3 north_canopy	<input type="checkbox"/> Place Filter Link Fields together at start of Grid
T9~Hawthorn~210,150,150~3~6~0~SM~3.5~3~!	9 1.5 south_canopy	
T1~Sycamore~100.70~2~7~2.5~Y~3~1.5~2~1.5~40~+~F~U~	10 2 east_canopy	
	11 1.5 west_canopy	

Buttons: Import File... Paste Data Field Separation C Delete Add Link 1 Match Link Count to Column Count Convert and Exit

I want to create a new database from the data so I have circled the tick box above. When ready click Convert.



Import Filter Changes Found

You have made changes to the Filter file.

Select YES to Quit and update the file so these changes are usable again.

Select NO to Quit and ignore the changes.

Buttons: Yes No Cancel

Click Yes to keep your changes if you intend to use the filter again in the future.

On returning to the Axciscape List screen I have some errors!

Axciscape V1:01 Demonstration Mode - Subscription has Expired.

I/O [Settings] [LIST] [EDIT] [MAP] [LIE] [LIM] [EIM] [LIEIM] [Map [Settings]]

[Add] [Delete] [Column ...] [Row ...]

	Type	Tag	Name	Age	Diameter	Stems	Category	Height	Crow...	Life Exp	Condition	North	East	South	West
T1	EV	T1	Sycamore	Y	100,70	2	U	7	2.5	40+	F	3	2	1.5	1.5
T2	EV	T2	Ash	M	200	1	U	8.5	1	10+	F	4	6	4	4
T3	EV	T3	Apple	M	260	1	C1	5.5	2	20+	G	2.5	2	2	2.5
T4	EV	T4	Hawthorn	M	330	1	U	4.5	0	<10	D	1	1	1	1
T5	EV	T5	Sycamore	SM	350	1	B1	11	1.5	40+	G	5.5	5.5	5	5
T6	EV	T6	Sycamore	Y	170	1	C1	11	2.5	20+	F	5	2.5	1	1
T7	EV	T7	Sycamore	SM	190,200...	3	C1	11	1	20+	F	5	5	5	5
T8	EV	T8	Elder	OM	290	6	U	7.5	1	10+	F	6	5	5	5
T9	EV	T9	Hawthorn	SM	210,150...	3	C1	6	0	20+	G	3.5	3.5	3.5	3.5

Row: 1 / 9 Pwr:73%

The Tag field expects a pure number without the T. The type (T) needs to be in the type field. Also the import data has its condition data as just 1 character while the template wants the full word.

Let's deal with the Tag error first. Axciscape has a function to extract a number from text so I will use this to get rid of the T.

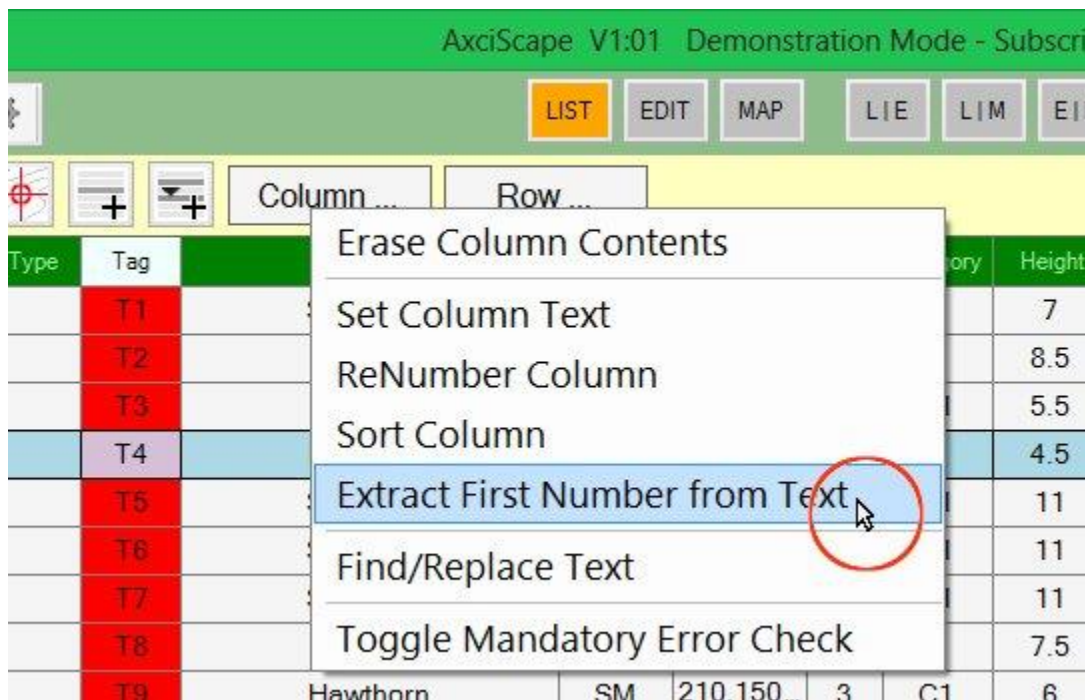
First highlight the tag column by clicking anywhere on it (as below). The header should turn white.

I/O [Settings] [LIST] [EDIT]

[Add] [Delete] [Column ...] [Row ...]

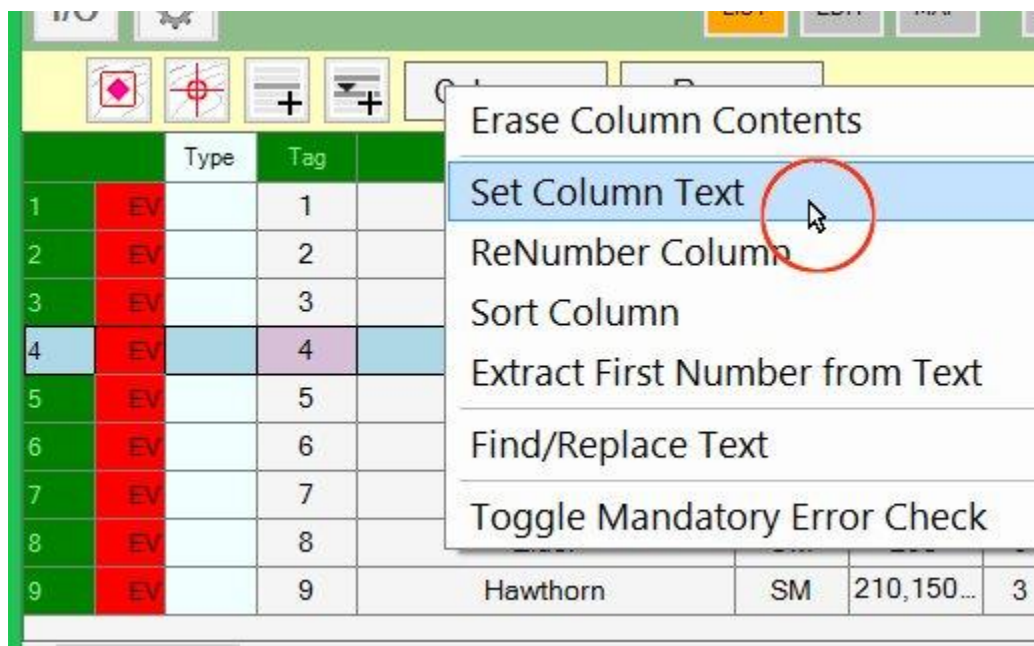
	Type	Tag	Name	Age	D
T1	EV	T1	Sycamore	Y	1
T2	EV	T2	Ash	M	
T3	EV	T3	Apple	M	
T4	EV	T4	Hawthorn	M	
T5	EV	T5	Sycamore	SM	
T6	EV	T6	Sycamore	Y	
T7	EV	T7	Sycamore	SM	19
T8	EV	T8	Elder	OM	
T9	EV	T9	Hawthorn	SM	21

Now select the Column... button and click on Extract First Number.



The numbers will appear and errors will disappear!

I now want to put a T in every Type field. So click on the Type column and from the Column... list select Set Column Text.



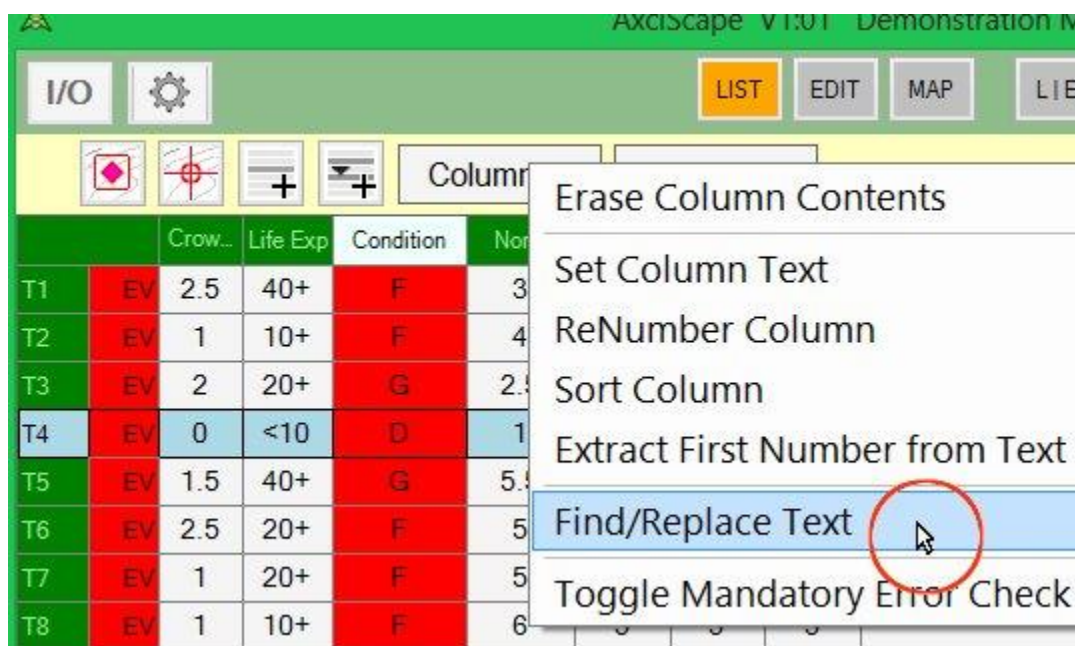
Enter a T and the data will be written to all lines of Type.

Now for the Condition errors.

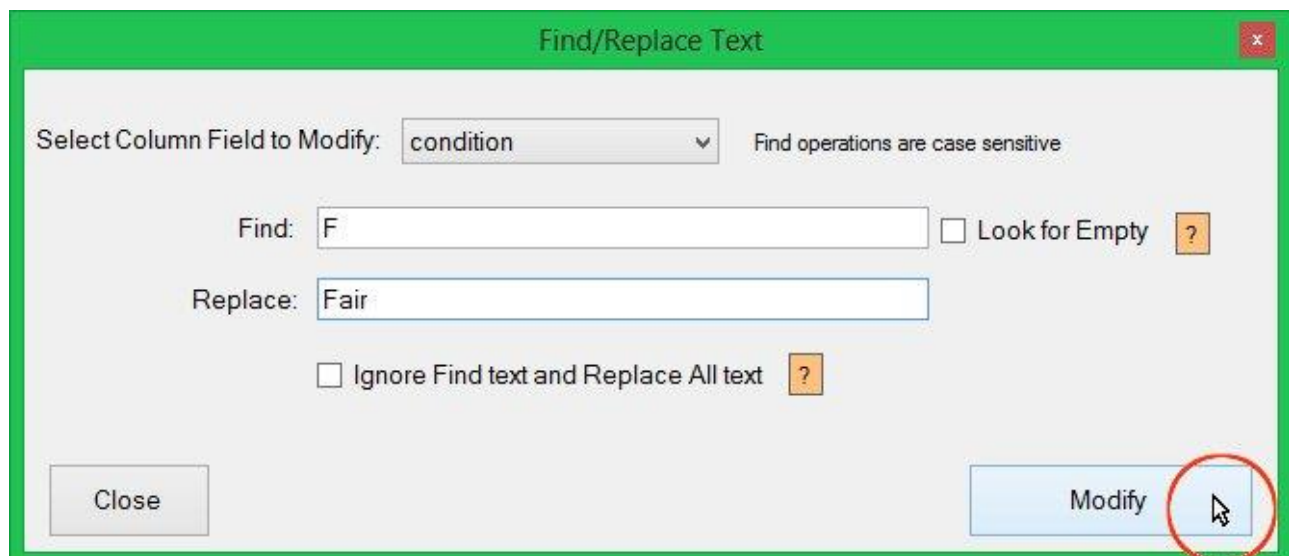
I could solve this by entering just a single character into the existing Field drop menu so it gives me the option of select for example F or FAIR. Or I could replace all F's with Fail, all D for Dead etc.

I will do the latter as I would rather have only the full word in the drop list and in future will use the full word in my surveys so that it doesn't happen again!

So I select the Condition column and click the Column... button to access the Find/Replace window.



Enter the appropriate text and repeat for all other items.



And it's finished.

The v at the start of each row is telling me that it has no vertices (XYZ map data). This is because they have not been plotted onto the map.

Axciscape V1:01 Demonstration Mode - Subscription has Expired.

I/O

LIST

EDIT

MAP

LIE

LIM

EIM

LIEIM

Map

Column ...

Row ...

	Type	Tag	Name	Age	Diameter	Stems	Category	Height	Crow...	Life Exp	Condition	North	East	South	West		
T1	V	T	1	Sycamore	Y	100,70	2	U	7	2.5	40+	Fair	3	2	1.5	1.5	
T2	V	T	2	Ash	M	200	1	U	8.5	1	10+	Fair	4	6	4	4	
T3	V	T	3	Apple	M	260	1	C1	5.5	2	20+	Good	2.5	2	2	2.5	
T4	V	T	4	Hawthorn	M	330	1	U	4.5	0	<10	Dead	1	1	1	1	
T5	V	T	5	Sycamore	SM	350	1	B1	11	1.5	40+	Good	5.5	5.5	5	5	
T6	V	T	6	Sycamore	Y	170	1	C1	11	2.5	20+	Fair	5	2.5	1	1	
T7	V	T	7	Sycamore	SM	190,200...	3	C1	11	1	20+	Fair	5	5	5	5	
T8	V	T	8	Elder	OM	290	6	U	7.5	1	10+	Fair	6	5	5	5	
T9	V	T	9	Hawthorn	SM	210,150...	3	C1	6	0	20+	Good	3.5	3.5	3.5	3.5	

<

Row: 3 / 9

>

Pwr:73%