



Table Layouts for Editing

Charles Less

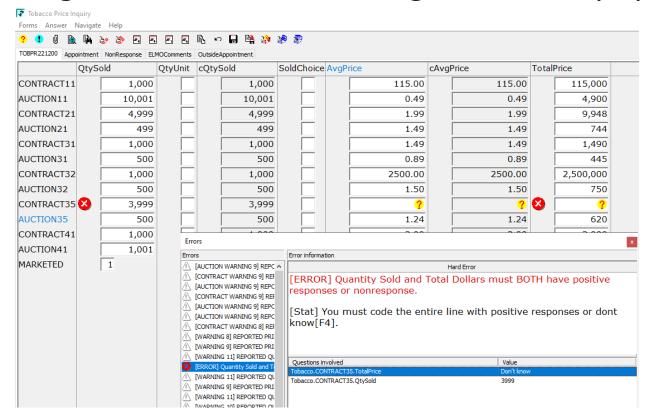
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Presented at IBUC 2023 – Durham, NC
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Blaise 4 History at NASS



Coding for tables and the magic of the Popup.







Blaise 4

Add code with 'Table' declaration

This table calls the block 'blnquiry'

Pros:

- Simple and easy
- Layouts in place
- 'Gets the job done'

Cons:

Not much in terms of variety

```
TABLE tbPrice
        aTobtype, aSoldString : STRING[50]
        CONTRACT41 (0##620###621#622#) "" / "##CTOBPACS###CTOBPACU#CTOBPACR#" : bInquiry
        CONTRACT32 (0##420###421#422#) "" / "##CTOBMDCS###CTOBMDCU#CTOBMDCR#" : bInquiry
        CONTRACT11 (0##120###121#122#) "" / "##CTOBFCCS###CTOBFCCU#CTOBFCCR#" : bInquiry
        CONTRACT21 (0##220###221#222#) "" / "##CTOBDFCS###CTOBDFCU#CTOBDFCR#" : bInquiry
        CONTRACT35 (0##520###521#522#) "" / "##CTOBACCS###CTOBACCU#CTOBACCR#" : bInquiry
        CONTRACT31 (0##320###321#322#) "" / "##CTOB31CS###CTOB31CU#CTOB31CR#" : bInquiry
        AUCTION41 (0##625###626#627#) "" / "##CTOBPAAS###CTOBPAAU#CTOBPAAR#" : bInquiry (CTOBPAAC#)
        AUCTION32 (0##425###426#427#) "" / "##CTOBMDAS###CTOBMDAU#CTOBMDAR#" : bInquiry (CTOBMDAC#)
        AUCTION11 (0##125###126#127#) "" / "##CTOBFCAS###CTOBFCAU#CTOBFCAR#" : bInquiry (CTOBFCAC#)
        AUCTION21 (0##225###226#227#) "" / "##CTOBDFAS###CTOBDFAU#CTOBDFAR#" : bInquiry (CTOBDFAC#)
        AUCTION35 (0##525###526#527#) "" / "##CTOBACAS###CTOBACAU#CTOBACAR#" : bInquiry (CTOBACAC#)
        AUCTION31 (0##325###326#327#) "" / "##CTOB31AS###CTOB31AU#CTOB31AR#" : bInquiry (CTOB31AC#)
        TQTYSLD41 / "CTOBPANS" : SType.teNine9s
        TQTYSLD32 / "CTOBMDNS" : SType.teNine9s
        TQTYSLD11 / "CTOBFCNS" : SType.teNine9s
        TQTYSLD21 / "CTOBDFNS" : SType.teNine9s
        TQTYSLD35 / "CTOBACNS" : SType.teNine9s
        TQTYSLD31 / "CTOB31NS" : SType.teNine9s
        TOTDLRS41 / "CTOBPANC" : SType.teNine9s
        TOTDLRS32 / "CTOBMDNC" : SType.teNine9s
        TOTDLRS11 / "CTOBFCNC" : SType.teNine9s
        TOTDLRS21 / "CTOBDFNC" : SType.teNine9s
        TOTDLRS35 / "CTOBACNC" : SType.teNine9s
        TOTDLRS31 / "CTOB31NC" : SType.teNine9s
        TOTQTYSLD / "CTOBPSLD" : SType.teNine9s
       TOTALDLRS / "CTOBSOLD" : SType.teNine9s
```



B5 Version of Tobacco Price Table

Tobacco Sold by Type	Quantity Sold	Price Unit	Avg Price	Calculated Avg Price PerLb
Flue-Cured Contract	Empty		\$ Empty	\$ Empty
Flue-Cured Auction	Empty		\$ Empty	\$ Empty
Fire-Cured Contract	Empty		\$ Empty	\$ Empty
Fire-Cured Auction	Empty		\$ Empty	\$ Empty
Burley Contract	Empty		\$ Empty	\$ Empty
Burley Auction	Empty		\$ Empty	\$ Empty
MD Type Contract	Empty		\$ Empty	\$ Empty
MD Type Auction	Empty		\$ Empty	\$ Empty



Blaise 5 ...



Add code with 'Group' declaration

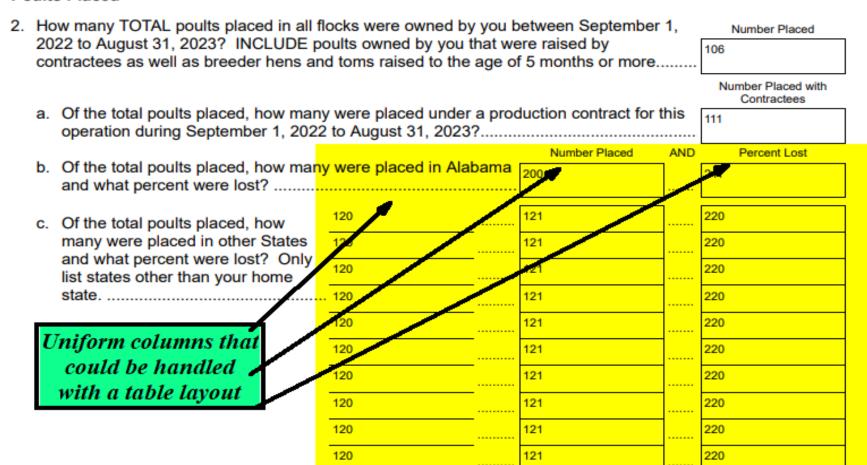
```
GROUP GrpState "Other State Placements"
      State: ARRAY[101..110] of BOtherState
   LOCALS
      I:INTEGER
   AUXFIELDS
      aPoultPd : tNine9s
      aPoultRem : -9999999999..999999997
      aHasData, aHasData1, aHasData2, aHasData3, aHasData4, aHasData5, aHasData6, aHasData7, aHasData8, aHasData9, aHasData10 : 0..1
      aRow: 1..10
      aPoultPd := 0
      aPoultRem := 0
      aPoultPd := Sec10Turkey.HomePltsPl
      State [101] .ASK(aPoultPd)
      aPoultPd := Sec10Turkey.HomePltsPl + State[101].OSPltsPl
      aHasData := 1
```



Layout work begins



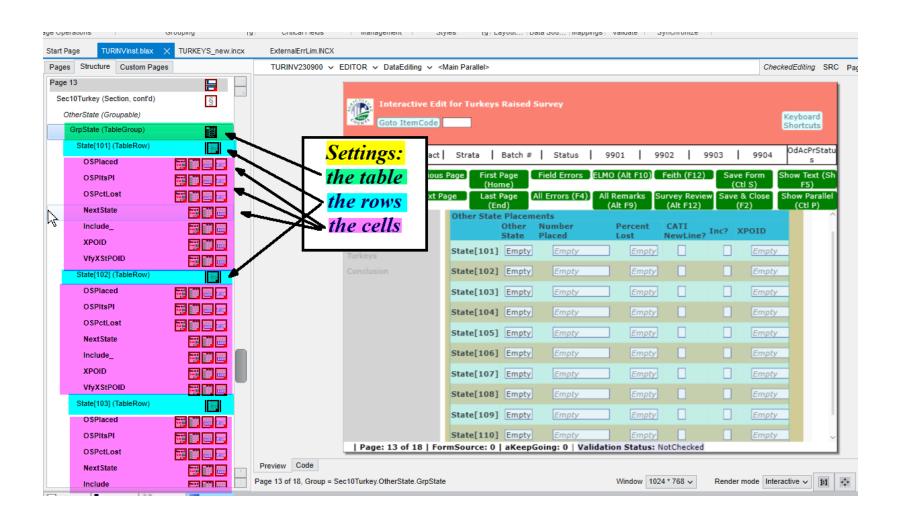
Poults Placed





Blaise 5 Layout Tab Work







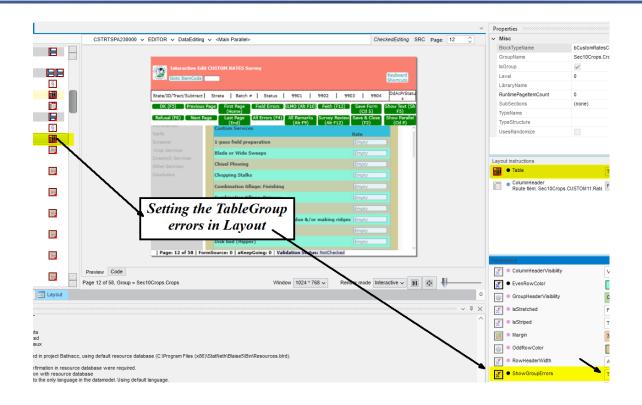
Blaise 5 Layout Instructions

Staying out of the Layout tab

```
LAYOUTSET "DataEditing"
 AT OSPlaced COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT OSPlaced FIELDPANE TEMPLATE "TableCell1" (Margin:='7', Width:='Auto')
 AT OSPlaced DATAVALUE TEMPLATE "SpecialAnswerGrid"
 AT OSPlaced RESPONSEVALUE TEMPLATE "EnumerationTextBoxDE"
 AT OSPItsPl COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT OSPItsPl FIELDPANE TEMPLATE "TableCell1"
 AT OSPItsPl DATAVALUE TEMPLATE "SpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
 AT OSPItsPl RESPONSEVALUE TEMPLATE "NumberTextBoxDE" (ShowThousandSeparator:='True')
 AT OSPCtLost COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT OSPCtLost FIELDPANE TEMPLATE "TableCell1"
 AT OSPCtLost DATAVALUE TEMPLATE "InfoPaneSpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
 AT OSPCtLost RESPONSEVALUE TEMPLATE "NumberTextBox"
 AT NumLost COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT NumLost FIELDPANE TEMPLATE "TableCell1"
 AT NumLost DATAVALUE TEMPLATE "SpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
 AT NumLost RESPONSEVALUE TEMPLATE "NumberTextBoxDE" (ShowThousandSeparator:='True')
 AT NumRaised COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT NumRaised FIELDPANE TEMPLATE "TableCell1"
 AT NumRaised DATAVALUE TEMPLATE "SpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
 AT NumRaised RESPONSEVALUE TEMPLATE "NumberTextBoxDE" (ShowThousandSeparator:='True')
 AT RaisedInd COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT RaisedInd FIELDPANE TEMPLATE "TableCell1"
 AT RaisedInd DATAVALUE TEMPLATE "SpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
 AT NextState COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT NextState FIELDPANE TEMPLATE "TableCell1"
 AT NextState DATAVALUE TEMPLATE "SpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
 AT XPOID COLUMNHEADER TEMPLATE "OtherField" (RoleName:='Optional')
 AT XPOID FIELDPANE TEMPLATE "TableCell1"
 AT XPOID DATAVALUE TEMPLATE "SpecialAnswerGrid" (ResponseRadioButtonVisibility:='Hidden')
```





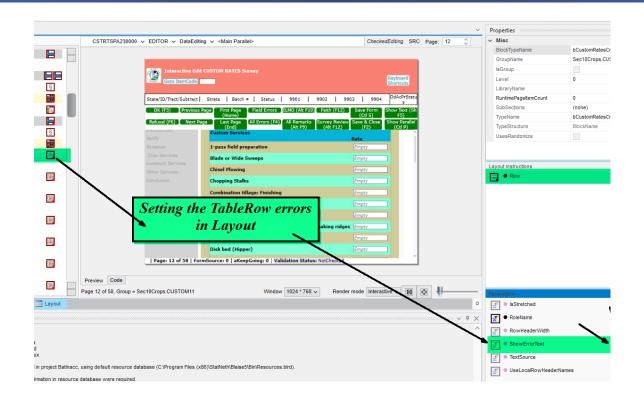


Setting Errors at the Table Level

'ShowGroupErrors' is the parameter to set to True to turn on the errors displaying at the bottom of the table.







Setting Errors at the Row level

'ShowErrorText' is the parameter to set to True for errors displayed at the row level.





Blaise 5 Edit Table Errors

	Other State	Number Placed	Percent Lost	CATI NewLine?	Inc?	XPOID	VfyXStPOID			
State[101]	17 O Don't know Rather not answer	15 O Don't know Rather not answer	13	O Don't know Rather not answer	O Don't know Rather not answer	EmptyDon't knowRather not answer	Empty O Don't know Rather not answer			
	[ERROR 41]MULTI-STATE DECISION REQUIRED. Put 1 in the INCLUDE_ field to INCLUDE data in the summary for ILLINOIS; otherwise, enter 3 in the INCLUDE_ field to EXCLUDE data from the summary. 1 = INCLUDE DATA IN SUMMARY. 3 = EXCLUDE DATA FROM SUMMARY. Note: this field can only be updated by the appropriate RFO through Process Cross-State Data interface									
State[102]		1,429,299 O Don't know Rather not answer DID IN CROSS STATE PO			① Don't know ② Rather not answer	Empty ○ Don't know ○ Rather not answer	Empty O Don't know Rather not answer			
State[103]	Empty O Don't know Rather not answer	Empty ○ Don't know ○ Rather not answer	Empty	O Don't know Rather not answer	O Don't know Rather not answer	Don't know Rather not answer	Empty O Don't know Rather not answer			
	[ERROR 50]Calculated number of poults 15495029 placed across states doesn't equal 16988398 total poults placed What should I correct?									
State[104]	O Rather not answer	Empty O Don't know Rather not answer	Empty 029 placed ac	Don't know Rather not answer cross states doesn't equa	O Don't know Rather not answer	Empty O Don't know Rather not answer	Empty O Don't know Rather not answer			
	What should I correct?		,		pound					



Table Layout shortcomings



Table layout shortcomings

Section 2 - Tropical Fruits

1. Did you grow any tropical fruits during 2021 or have intentions for 2022?

⁷³⁰² ₁ Yes - Please report for your operation below

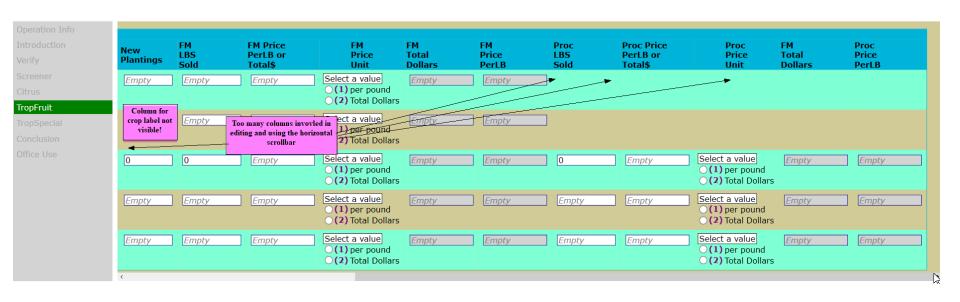
3 No - Go to Section 3

	Acre	es		Trees o	r Plants	Trees or Plants	Sales 2021		
Crop	Total 2021	Harvested 2021	OR	Total 2021	Harvested 2021	New Plantings 2022	P		Average Farm Price Per Pound
Abiu	511	512	OR	513	514	515	Fresh Market	516	517
Atemoya	521	522	OR	523	524	525	Fresh Market	526	527
	5143	2180	OR	155	142	143	Fresh Market	144	145
Bananas							Processing	148	149
	541	542	OB	543 544 OR	544	545	Fresh Market	546	547
Breadfruit	_		OK			Processing	548	549	



Large Tables with lots of columns

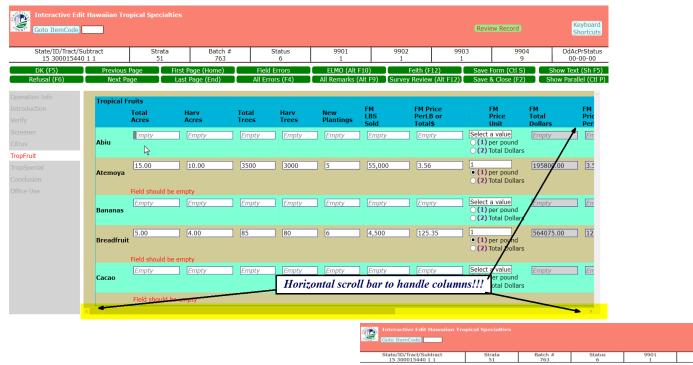


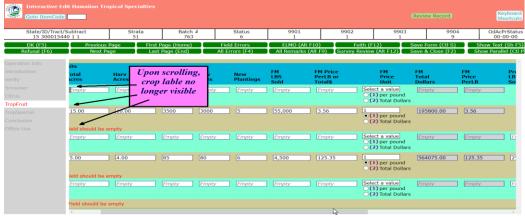




Large Tables with many columns











Wants and needs for Blaise 5 Table Editing Success

Table responsiveness - It's not you, it's me.

Freeze columns – Horizontal scrolling is not effective.

Popup Editing Table or Error Listing template with ability to fix error



Any questions?

The views expressed in this presentation are those of the Charles Less and not necessarily those of USDA-NASS

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