# Table Layouts for Editing 

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## Blaise 4 History at NASS

- Coding for tables and the magic of the Popup.


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## 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:

TABLE tbPrice
AUXFIELDS
aTobtype, aSoldString : STRING[50] FIELDS

|  | \#\#620\#\#\#621\#622\#) |  | \#\#\#CTOBPACU\#CTOBPACR\#* | bInquiry | (CTOBPACC |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CONTRACT32 | (0\#\#420\#\#\#421\#422\#) |  | OBMDCS\#\#\#CTOBMDCU\#CTOBMDCR\#" | bInquiry | (CTOBMDCC\# |
| CONTRACTII | (0\#\#120\#\#\#121\#122\#) |  | S\#\#\#CTOBFCCU\#CTOBFCCR\#" | quiry | (CTOBFCCC* |
| CONTRACI21 | (0\#\#220\#\#\#221\#222\#) |  | \#\#CTOBDFCS\#\#\#CTOBDFCU\#CTOBDFCR\#" | bInquiry | (CTOBDFCC* |
| CONTRACT35 | (0\#\#520\#\#\#521\#522\#) |  | "\#\#CTOBACCS\#\#\#CTOBACCU\#CTOBACCR\#" | bInquiry | (CTOBACCC\#) |
| CONTRACT31 | (0\#\#320\#\#\#321\#322\#) |  | "\#\#CTOB31CS\#\#\#CTOB31CU\#CTOB31CR\#" | bInquiry | (CTOB31CC\#) |
| AUCTIO | (0\#\#625\#\#\#626\#627\#) |  | \#CIOBPAAS $+4 C 10$ BPAAU | blnquir | CTOBPAAC\#) |
| AUCTION32 | (0\#\#425\#\#\#426\#427\#) |  | "\#\#CTOBMDAS\#\#\#CTOBMDAU\#CTOBMDAR\#" | bInquiry | TOBMDAC\#) |
| 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\#) |

IQIYSLD41 "CTOBPANS
IQTYSLD32 / "CTOBMDNS" . SType.teNine9s
TQTYSLDII / "CTOBFCNS" : SType.teNine9s
TOTYSLD21 / "CTOBDFNS" : SIype.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 / "CTOB3INC" : SType.teNine9s
TOTQTYSLD / "CTOBPSLD" : SType.teNine9s
TOTALDLRS / "CTOBSOLD" : SType.teNine9s

- Not much in terms of variety
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## B5 Version of Tobacco Price Table

| Tobacco Sold by Type |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity Sold | Price <br> Unit | Avg Price | Calculated <br> Avg <br> Price <br> PerLb |
| Flue-Cured Contract | Empty | $\square$ | \$ Empty | \$ Empty |
| Flue-Cured Auction | Empty | $\square$ | \$ Empty | \$ Emply |
| Fire-Cured Contract | Empty | $\square$ | \$ Empty | \$ Empty |
| Fire-Cured Auction | Empty | $\square$ | \$ Empty | $\$$ Empty |
| Burley Contract | Empty | $\square$ | \$ Empty | \$ Empty |
| Burley Auction | Empty | $\square$ | \$ Empty | \$ Emply |
| MD Type Contract | Empty | $\square$ | \$ Empty | \$ Emply |
| MD Type Auction | Empty | $\square$ | \$ Empty | \$ Empty |

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## Blaise 5

- Add code with ‘Group’ declaration

```
GROUP GrpState "Other State Placements"
    FIELDS
        State: ARRAY[101..110] of BOtherState
    LOCALS
        I:INTEGER
    AUXFIELDS
        aPoultPd : tNine9s
        aPoultRem : -999999999..999999997
        aRow : 1..10
    RULES
        aPoultPd := 0
        aPoultRem := 0
        aPoultPd := Sec10Turkey.HomePltsPl
        State[101].ASK(aPoultPd)
        aPoultPd := Sec10Turkey.HomePltsPl + State[101].OSPltsP1
        aHasData := 1
```

        aHasData, aHasData1, aHasData2, aHasData3, aHasData4, aHasData5, aHasData6, aHasData7, aHasData8, aHasData9, aHasData10 : \(0 . .1\)
    
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## Layout work begins

## Poults Placed

2. How many TOTAL poults placed in all flocks were owned by you between September 1, 2022 to August 31, 2023? INCLUDE poults owned by you that were raised by contractees as well as breeder hens and toms raised to the age of 5 months or more


Number Placed with Contractees
a. Of the total poults placed, how many were placed under a production contract for this operation during September 1, 2022 to August 31, 2023?

Number Placed
111
b. Of the total poults placed, how many were placed in Alabama and what percent were lost? ...........
c. Of the total poults placed, how
many were placed in other States
and what percent were lost? Only
list states other than your home
state. and what percent were lost? ...........
c. Of the total poults placed, how
many were placed in other States
and what percent were lost? Only
list states other than your home
state. and what percent were lost? ...........
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many were placed in other States
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many were placed in other States
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list states other than your home
state. and what percent were lost? ...........
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many were placed in other States
and what percent were lost? Only
list states other than your home
state.


Percent Lost
ND


| 220 |
| :--- |
| 220 |
| 220 |
| 220 |
| 220 |
| 220 |
| 220 |
| 220 |
| 220 |
| 220 |

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## Blaise 5 Layout Tab Work



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## Blaise 5 Layout Instructions

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- 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 OSPltsPl COLUMNHEADER TEMPLATE "OtherField"(RoleName:='Optional')
    AT OSPltsPl FIELDPANE TEMPLATE "TableCell1"
    AT OSPltsPl DATAVALUE TEMPLATE "SpecialAnswerGrid"(ResponseRadioButtonVisibility:='Hidden')
    AT OSPltsPl 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.

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## Blaise 5 Edit Table Errors

|  | Other State | Number Placed | Percent <br> Lost | CATI NewLine? | Inc? | XPOID | VfyXStPOID |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State[101] | 17 | 15 | 13 | $\square$ <br> Don't know Rather not answer | $\square$ <br> Don't know Rather not answer | EmptyDon't knowRather not answer | EmptyDon't knowRather not answer |
|  | Don | Don't |  |  |  |  |  |
|  | Rat | Rather |  |  |  |  |  |

[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 $I N C L U D E_{-}$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


Valid POID's must be 9 digits long, begin with a $3,7,8$, or 9 and end with a 0 .

[ERROR 50]Calculated number of poults 15495029 placed across states doesn't equal 16988398 total poults placed
What should I correct?
Empty

Don't know
Rather not answer
Empty
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?

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## Table Layout shortcomings

- Table layout shortcomings


## Section 2 - Tropical Fruits

1. Did you grow any tropical fruits during 2021 or have intentions for 2022 ?
$7302 \quad{ }_{1} \square$ Yes - Please report for your operation below $\quad{ }_{3} \square$ No - Go to Section 3

|  | Acres |  |  | Trees or Plants |  | Trees or Plants | Sales 2021 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crop | $\begin{aligned} & \text { Total } \\ & 2021 \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Harvested } \\ 2021 \end{array}$ | OR | $\begin{aligned} & \text { Total } \\ & 2021 \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Harvested } \\ 2021 \end{array}$ | New Plantings 2022 | Quantity Sold (Pounds) |  | 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 |  | 155 | 142 | 143 | Fresh Market | 144 | 145 |
| Bananas |  |  | OR |  |  |  | Processing | 148 | 149 |
|  | 541 | 542 | OR | 543 | 544 | 545 | Fresh Market | 546 | 547 |
| Breadfruit |  |  |  |  |  |  | Processing | 548 | 549 |

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## Large Tables with lots of columns



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## USDA <br> Large Tables with many columnsin



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## 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

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## Any questions?

## The views expressed in this presentation

 are those of the Charles Less and not necessarily those of USDA-NASSFeedback: charles.less@usda.gov

