

2025 ARMS Phase 2 Questionnaire Additions and Deletions – Cotton PPCR

Section A: Field Selection

Question 3: From

3. Please list these field(s) according to identifying name/number or describe each field. Then I will tell you which field has been selected.

[If there are more than 18 fields, make sure item 2 is total fields planted and list only the 18 fields closest to the operator's permanent residence. If respondent is unable to identify or describe the fields, use the Field Selection Grid Supplement.]

FIELD NAME, NUMBER OR DESCRIPTION	FIELD NAME, NUMBER OR DESCRIPTION
1	10
2	11
3	12
4	13
5	14
6	15
7	16
8	17
9	18

APPLY "RANDOM NUMBER" LABEL HERE

[Enumerator Action: Circle the pair of numbers on the above label associated with the last numbered field in item 3. Select the field according to the number you circled on the label, and record the selected number. If only one field, enter "1".]

Selected Field Number

0021

To:

3. [Now, I need to identify a cotton field to be used for this survey.] The cotton field pre-selected for this interview is the:

- 1 ☐ Northern most field
- 2 ☐ Southern most field
- 3 ☐ Eastern most field
- 4 ☐ Western most field
- 5 ☐ Northeastern most field
- 6 ☐ Southeastern most field
- 7 ☐ Northwestern most field
- 8 ☐ Southwestern most field

Field description:

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Added question 5 -

From: How many acres of cotton did this operation plant in the selected field for the 2025 crop {acres} ?

Question 5 (approved version) now Question 6

From:

5. For the randomly selected field above, please provide the Farm Service Agency (FSA):

[If the physical field in this survey spans multiple FSA administrative fields, please include the farm, tract, and field number for the largest administrative field. These numbers are field identifiers that USDA uses to administer farm programs like crop insurance, commodity programs, and conservation programs. Having this information helps USDA make better use of other data you have provided to USDA and will improve the types of statistical analysis that can be done with the responses from this survey.]

- a. Farm Number (up to 8 digits).....
- b. Tract Number (up to 7 digits).....
- c. Field Number (up to 4 digits, exclude subfield letters).....

Number

1070
1071
1072

OFFICE USE
OY Field Substituted

0022

To:

6. For the randomly selected field above, please provide the following Farm Service Agency (FSA) identifiers:

[Having this information helps USDA make better use of other data you have provided to USDA and will improve the types of statistical analysis that can be done with the responses from this survey. If the physical field in this survey spans multiple FSA administrative fields, please include the farm, tract, and field number for the largest administrative field. These numbers are field identifiers that USDA uses to administer farm programs like crop insurance, commodity programs, and conservation programs.]

	Number
a. Farm Number (up to 8 digits).....	1070
b. Tract Number (up to 7 digits).....	1071
c. Field Number (up to 4 digits, exclude subfield letters).....	1072

OFFICE USE
OY Field Substituted

0022

Section B: Field Characteristics

Question 1a From: "Are the acres in the selected field Certified Organic {y/n}"

To: Are the acres in the selected field certified organic or transitioning into certified organic cotton production {y-Certified Organic; y-Transitioning; No}?

Question 1b From: "Was the selected field transitioning into organic cotton production in 2025?"

To: What was the cost, per acre, for third party organic certification?.

Question 7a From: "Excluding pounds of seed cotton, what was your yield goal for cotton lint at planting for the selected field?"

To: What was your yield goal for cotton lint at planting for the selected field? (EXCLUDE pounds of seed cotton.)

Seed Cost Question

From Item 9:

For the next question, INCLUDE operator, landlord, and contractor costs, cost of seed treatment, and technology fee.
EXCLUDE any Bt seed payment received for participating in the Pink Bollworm Program.

9. What was the source and cost of--

- Genetically modified organism/genetically engineered (GMO/GE) purchased seed?.....
- Non genetically modified organism/genetically engineered (Non-GMO/GE) purchased seed?.....
- Homegrown seed?.....

Dollars & Cents per Unit	Unit Code 1 Pounds 22 Acre 23 Approx 50 Lb. Bag 40 250,000 Seed Bag	Percent of Seed Planted
1214 •__	1215	1216
1217 •__	1218	1219
		1318

100%

[If homegrown, ask--]

Cents per
Pound

- What was the cost for cleaning and treating this seed?.....

3321 •__

To Question 13

13. On the selected field, what was the cost of purchased seed?

INCLUDE

- operator, landlord, and contractor costs
- cost of seed treatment and technology

Dollars & Cents Per Unit	Unit Code 1 = Pounds 22 = Acres 23 = 50 lb bag 24 = 250,000 Seed Units
1214 •__	1215

Code

- Was the cotton in the selected field?.....

1 Genetically modified/genetically engineered (GMO/GE) 2 Non genetically modified/non genetically engineered (non-GMO/GE)
--

xxxx

Seeding Rate Question

From:

10. What was the seeding rate per acre the first time the selected field was planted?.....

1313 •__

3314

- What method of seeding did you use on the selected field?.....

1 Drilled? 2 Planted in conventional rows? 3 Broadcast on the selected field?

Code

1316

[If 10a = 2, ask--]

Inches

- What was the average cotton row width?.....

1322

To:

		1 Pounds/Acre 23 50 Pound Bags/Acre 25 Seeds/Acre 38 Seeds/Foot 40 250,000 Seed Bags/Acre
	Units per Acre	
9. What was the seeding rate per acre the first time the selected field was planted?.....	1313	3314
		Code
a. Was the cotton seed—.....	1 Drilled? 2 Planted in conventional rows? 3 Broadcast on the selected field?	1316
[If drilled or planted (item 9 = 1 or 2, ask—]		Inches
b. What was the average cotton row width for the selected field?.....		1322

Question 13: Hybrid seed – Removed

Question 15: Planting GMO/GE seeds - Removed

Question 16

From:

	2025	2024
16. Did the cotton planted on the selected field have any of the following genetically modified organism/genetically engineered (GMO/GE) traits in 2025 or 2024? [Leave the second column blank if field was not planted with cotton in 2024.]	1 Yes 4 N/A no cotton in field	1 Yes 4 N/A no cotton in field
	Code	Code
a. Insect resistance (Bt).....	2302	2303
b. With multiple (pyramided) modes of action.....	2304	2305
c. Herbicide Tolerance (HT) to Glyphosate such as Roundup Ready®.....	2306	2307
d. Herbicide Tolerance (HT) to 2, 4-D such as Enlist®.....	2308	2309
e. Herbicide Tolerance (HT) to Dicamba such as Extend®.....	2310	2311
f. Herbicide Tolerance (HT) to Glufosinate such as Liberty Link®.....	2312	2313

To new Question 15:

15. Did the cotton planted on the selected field have any of the following genetically modified organism/genetically engineered (GMO/GE) traits?		Code
a. Insect resistance (Bt).....	Yes = 1 No = 3	2302
b. Insect resistance with multiple (pyramided) modes of action.....	Yes = 1 No = 3	2304
c. Herbicide Tolerance to Glyphosate (e.g. Roundup Ready®).....	Yes = 1 No = 3	2306
d. Herbicide Tolerance to Glufosinate (e.g. Liberty Link®).....	Yes = 1 No = 3	2312
e. Herbicide Tolerance to Dicamba (e.g. Extend®).....	Yes = 1 No = 3	2310
f. Herbicide Tolerance to 2, 4-D (e.g. Enlist®).....	Yes = 1 No = 3	2308

Question 17 (non-GMO/non-GE traits) – Removed.

Question 18 (plant commercial seed product) – Removed.

Question 19 (genetically engineered, insect resistant seed variety) – Removed.

Question 20 (refuge for insect pests) – Removed.

Question 21 (refuge to comply with Bt management guidelines) – Removed.

Question 22 (size of the refuge) – Removed.

NEW Question 19I

- I. In addition to the final method used to terminate the cover crop (reported in column 3 above) what other practices were applied to this cover crop?

xxxx ☐ Tilled in

xxxx ☐ Terminated with herbicide

xxxx ☐ Rolled

xxxx ☐ Grazed

xxxx ☐ Harvested for forage

xxxx ☐ Harvested for grain

Question 26 (Highly Erodible Land)

From:

26. Has any part of the selected field been classified as "Highly Erodible Land"? Cropland identified as highly erodible is subject to highly erodible land conservation (HELC) requirements. Producers who receive farm program payments are required to have and apply a written soil conservation plan. A "written plan" is a plan prepared in accordance with Federal, State, or district standards.....

	Code
Yes=1	1404
No=3	

To:

20. Is this field managed under an NRCS-approved conservation plan for highly erodible land (HEL)? All fields that have been designated as HEL by USDA, and that are being actively farmed, are required to have soil conservation plans under the conservation compliance program.....

	Code
Yes=1	0702
No=3	

Question 27: Written Conservation Plan – Removed.

Question 31 (Table of soil & water concerns) – Removed.

NEW Questions 24a & 24b:

24. Did the land use practices for this field include subsurface drainage?.....
- [If item 24 = 1, continue. Otherwise go to item 25.]
- a. In what year was the current subsurface (tile) drainage installed?.....
- b. Does this system include a mechanism for controlled drainage (e.g. stop logs, risers, or float mechanisms)?.....

	Code
Yes=1	2402
No=3	

	Year
a.	2403

	Code
Yes=1	2406
No=3	

Question 33b (now Question 25b)

From "Conservation Stewardship Program (CSP)" to "Conservation Security or Conservation Stewardship Program (CSP)"

NEW Question 26

26. For each of the following conservation practices or plans, indicate if the practice or plan was used on the selected field and any financial assistance associated with the practice or plan.

CONSERVATION PRACTICES OR PLANS	Was this practice or plan used on the selected field in 2025? 1 Used in 2025 2 Not used in 2025 but used in earlier years 3 Never used Code	What financial assistance (cost-share) has been received for this practice on the selected field? 1 Received a payment in 2025 from EQIP, CSP, or similar program 2 Did not receive a payment in 2025 but have in earlier years 3 Have never received a payment for this practice Code
a. Contour farming.....	xxxx	xxxx
b. Terraces.....	xxxx	xxxx
c. Grass waterway.....	xxxx	xxxx
d. Filter strips.....	xxxx	xxxx
e. Field borders.....	xxxx	xxxx
f. Riparian buffers.....	xxxx	xxxx
g. Precision nutrient application.....	xxxx	xxxx
h. Irrigation water management.....	xxxx	xxxx

Section C: Nutrient or Fertilizer Applications

Question 4b

From:

		Code
4. Were any nutrients or fertilizers applied by custom applicators?.....	Yes=1 No=3	0214
[If item 4=1 continue, otherwise go to item 5.]		
a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?.....	Yes=1 No=3	0216
[If item 4a = 1 continue, otherwise go to item 5.]		
		Office Use
		0215
b. Excluding the cost of the nutrient or fertilizer materials, how much was spent for custom application of nutrients or fertilizers on the selected field? INCLUDE operator, landlord, and contractor costs. INCLUDE costs for sulfur and micronutrients. EXCLUDE custom application of lime, gypsum, purchased manure and purchased compost.		Dollars & Cents per Acre 0219 OR Total Dollars 0220
[If material and application costs can't be separated, exclude them here and record the total in item 5.]		

To:

		Code	
4. Were any nutrients or fertilizers applied by custom applicators?.....	Yes=1 No=3	0214	
[If item 4 = 1 continue. Otherwise go to item 5.]			
a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?.....		Yes=1 No=3	Code 2216
[If item 4a = 1 continue. Otherwise go to item 5.]			
		Office Use	
		0215	
b. Excluding the cost of the nutrient or fertilizer materials, how much was spent for custom application of nutrients or fertilizers on the selected field?			
INCLUDE			
- operator, landlord, and contractor costs - costs for sulfur and micronutrients			
EXCLUDE custom application of lime, gypsum, purchased manure and purchased compost.....		Dollars & Cents per Acre	OR Total Dollars
		0219	0220
[If material and application costs can't be separated, exclude them here and record the total in item 5.]			

Question 5

From:

5. What was the total cost of all nutrient or fertilizer products applied to the selected field? INCLUDE operator, landlord, and contractor costs as well as the costs for sulfur and micronutrients. INCLUDE materials applied to the selected field if it was fallow in 2024. EXCLUDE lime, gypsum, purchased manure, and purchased compost.....	Dollars & Cents per Acre	OR	Total Dollars
	0221		0222
[If custom applied and the cost of materials can be separated from application costs, include the cost of materials only, otherwise, include both the material and application costs.]			

To:

5. What was the total cost of all nutrient or fertilizer products applied to the selected field?			
INCLUDE			
- operator, landlord, and contractor costs - costs for sulfur and micronutrients - materials applied to the selected field if it was fallow in 2024.			
EXCLUDE lime, gypsum, purchased manure, and purchased compost.....		Dollars & Cents per Acre	OR Total Dollars
		0221	0222
[If custom applied and the cost of materials can be separated from application costs, include the cost of materials only, otherwise, include both the material and application costs.]			

Question 7c (soil organic matter content increase, decrease, same) – Removed.

Question 12a (reason test were done at no cost) – Removed.

New Question 14:

14. Which of the following products did you use to slow the breakdown of nitrogen on this field?.....	1 Nitrification inhibitors (such as N-Serve) 2 Urease inhibitors (such as Agrotain) 3 Chemical-coated fertilizers (such as sulfur-coated urea and polymer-coated urea) 4 Other inhibitors 5 None	Code 0241
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New Question 14b:

	Dollars & Cents per Pound	OR	Dollars & Cents per Gallon
b. What was the cost of nitrogen inhibitors used on this field? INCLUDE operator, landlord, and contractor costs.....	0297 _____		0298 _____

Question 15a - From: "To how many acres in the selected field was manure or compost applied?"

To: "To how many acres in the selected field was manure or compost (including composted manure) applied?"

Question 15d – From: "Was the manure or compost"

To: "Was the manure or compost (including composted manure)"

Question 15e – From: "Was the manure or compost"

To: "Was the manure or compost (including composted manure)"

Question 15f – From "Was the major source of manure or compost"

To: "Was the major source of manure or compost (including composted manure) from"

Question 15g – From: "Was the manure or compost"

To: "Was the manure or compost (including composted manure)"

Question 15g(i) – From:

[If item 15g = 2, continue, otherwise go to item 15h.]

i. What was the total cost of the purchased manure or compost applied to the selected field? INCLUDE operator, landlord, and contractor costs. INCLUDE any payment made for transportation costs.....	Dollars & Cents per Acre	OR	Total Dollars
	0284 _____		0285 _____

To:

i. What was the total cost of the purchased manure or compost (including composted manure) applied to the selected field?	Dollars & Cents per Acre	OR	Total Dollars
	0284 _____		0285 _____
INCLUDE			
• operator, landlord, and contractor costs			
• any payment made for transportation costs			
			Code

Question 15h (distance in miles between location & field) – Removed.

NEW Question 16i & 16i(i):

- i. Was the application rate of commercial nitrogen fertilizer on the selected field reduced due to manure or compost (including composted manure) application?

Yes=1
No=3

0262

[If 16i = 1, ask —]

- i. By what percent did you reduce the commercial nitrogen fertilizer application rate on the selected field?.....

Percent

0263

Question 16 From: "Were the manure application rates to the selected field influenced by Federal, State, or local restrictions?"

To: "Were the manure or compost (including composted manure) application rates to the selected field influenced by Federal, State, or local restrictions?"

Section D: Biocontrol or Pesticide Applications

Question 1 – New column 10: "Was this applied using variable rate technology (VRT)? {y/n}"

NEW Question 4c: "How much was spent for fungicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs"

Question 5 "boll weevil eradication program (BWEP)?" – Removed.

Section E: Pest Management Practices

Question 9 – From: "Was an established scouting process such as systematic sampling, recording counts, etc. used or were insect traps used in the selected field? EXCLUDE traps checked as part of either BWEP or PBWP"

To: "Was an established scouting process such as systematic sampling, recording counts, etc. used or were insect traps used in the selected field? EXCLUDE traps checked as part of a boll weevil eradication program"

Question 9a "Measure damage from budworm & bollworm" – Removed.

Question 9b "Average insect count per acre" – Removed.

Question 9b(i) "Boll damage score" – Removed.

Question 11 Table "Was field scouted for" – Removed.

Question 12a "Reason scouting done for no cost" – Removed.

Question 16a – From: "What were the total materials and application costs for all biological pest controls for the selected field? INCLUDE operator, landlord, and contractor costs. INCLUDE cost for beneficial organisms, insects, nematodes, and fungi. EXCLUDE biological pesticides previously reported"

To:

- a. What were the total materials and application costs for all biological pest controls for the selected field?

INCLUDE

- operator, landlord, and contractor costs
- cost for beneficial organisms, insects, nematodes, and fungi

EXCLUDE biological pesticides previously reported.....

Dollars & Cents
per Acre

0859

OR

Total Dollars

0860

Question 20 – From “What was the difference in yields in the Bt crop with the yields in the non-Bt refuge crop?”

To:

20. Was protection of beneficial organisms a factor in your pest control decisions for the selected field?.....

Yes=1
No=3

1765

[If item 20 = 1, continue. Otherwise, go to item 21.]

Code

- a. Did you change the timing of, reduce application rate of, or eliminate a pesticide application?.....

Yes=1
No=3

1766

- b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice?.....

Yes=1
No=3

1767

Question 21 – From: “Did you use a soil-insecticide or insecticidal seed treatment in the refuge in 2025?”

To:

21. If you used Bt seeds on the selected field in 2025, indicate the number of consecutive years you have planted Bt seeds in the selected field.....

0831

[Note: A producer who used Bt cotton in 2025 and 2024, but conventional in 2023, has used Bt cotton for "2" consecutive years.]

[If item 21 is greater than 1, ask—]

Year

- a. If you have ever switched from a Bt seed with a single mode of action to a Bt seed with multiple (pyramided) modes of action, indicate the year that this change was made.....

0832

Question 22 – From:

22. Did pests such as weeds, insects, pathogens, or animals, cause any yield loss on the selected field in spite of your pest control efforts?.....

Yes=1
No=3

0827

[If item 22 = 1, ask--]

- a. How much yield loss do you think was caused by all pests on the selected field in spite of the management practices you used to reduce those losses?.....

Units

Code

Unit per Acre

Total Units

1 Bales
2 Pounds

0828

AND

0829

OR

0830

To:

22. If you used GMO/GE glyphosate-resistant seeds on the selected field in 2025, indicate the number of consecutive years you have planted GMO/GE glyphosate-tolerant seeds in the selected field.....

1970

[If item 22 = 1 is greater than 1, ask—]

Year

- a. What year did you plant any GMO/GE glyphosate-tolerant seeds on the selected field?.....

1971

Question 23 – From:

23. If you used Bt seeds on the selected field in 2025, indicate the number of consecutive years you have planted Bt seeds.....

Number of Years
0831

[Note: A producer who used Bt cotton in 2025 and 2024, but conventional in 2023, has used Bt cotton for "2" consecutive years.]

[If item 23 is greater than 1, ask--]

- a. If you have ever switched from a Bt seed with a single mode of action to a Bt seed with multiple (pyramided) modes of action, indicate the year that this change was made.....

Year
0832

To:

23. If you used GMO/GE dicamba-tolerant seeds on the selected field in 2025, indicate the number of consecutive years you have planted any GMO/GE herbicide tolerant seeds on the selected field.....

Number of Years
1972

[If item 23 = 1 is greater than 1, ask--]

- a. What year did you first plant any GMO/GE dicamba-tolerant seeds on the selected field?.....

Year
1973

Question 24 – From:

24. If you used Ht seeds on the selected field in 2025, indicate the number of consecutive years you have planted Ht seeds.....

Number of Years
1813

[Note: A producer who used Ht cotton in 2025 and 2024, but conventional cotton in 2023, has used Ht cotton for "2" consecutive years.]

- a. What year did you first plant any Ht seeds on the selected field?.....

Year
1814

To:

24. On the selected field in 2025, did you observe symptoms associated with injury from dicamba such as leaf cupping, an increased number of nodes, or height reduction?.....

Code
Yes=1 No=3 1974

[If item 24 = 1, continue. Otherwise go to item 25.]

- a. Did you report the injury to the state or local officials?.....

Code
Yes=1 No=3 1981

- b. Was the injury investigated by state or local officials?.....

Yes=1 No=3 1982

Question 25 – From:

25. If you used GMO/GE glyphosate-resistant seeds on the selected field in 2025, indicate the number of consecutive years you have planted GMO/GE glyphosate-tolerant corn, soybeans, cotton, or any other GMO/GE glyphosate tolerant crop.....

Number of Years
1970

[If item 25 = 1 continue, otherwise go to Section F.]

- a. What year did you plant any GMO/GE glyphosate-tolerant seeds on the selected field?.....

Year
1971

To:

NEW Questions 26 and 27:

NEW Instruction – Old Question 27 & New Question 29 for columns 4-6: “After noticing the decline in the effectiveness of this herbicide in controlling weeds on the selected field, did you”

Old Questions 28 & 29 – Removed.

New Questions 20, 31, and 32 –

Section F: Field Operations

New Question 2

[Enumerator Action: Were machine or equipment codes reported in item 1?]

4029 1 ☐ Yes – Continue

3 ☐ No – Go to item 3

2. Were any of the machines or equipment reported in Columns 3 or 4 of item 1 purchased new during 2025?.....

Code	
Yes = 1	4030
No = 3	

[If item 2 = 1, continue. Otherwise go to item 3.]

1 Machine purchased new in 2025	2 [Record machine code from respondent booklet.] Code	3 Dealer's list price of the machine. (This should be the "sticker price," not including discounts or trade-in values for used machinery.) Dollars
4031	4032	4033
4034	4035	4036
4037	4038	4039
4040	4041	4042
4043	4044	4045

NEW Question 9: "Was the cotton harvested and hauled from the selected field dried (or will be dried) before it was sold or stored?" {y/n}

Question 9d – From: "Pest scouting, excluding any activity for the BWEP or PBWP"

To: "Pest scouting"

NEW Question 12: "Were any of the technical or consultant services listed in item 10a-g provided to you at no cost or were partially reimbursed by the Natural Resources Conservation Service?" {y/n}

OLD Questions 11 & 12 – Removed.

11. Please report how any data from the selected field in 2025 will be stored and accessed.

- a. Did you access the data collected from the selected field on a --

- i. Paper hard copy?.....
ii. Personal computer?.....
iii. Mobile device?.....

- b. Did you access the data collected from the selected field through an agricultural technology provider website?.....

Code	
Yes=1 No=3	2485
Yes=1 No=3	2486
Yes=1 No=3	2487
Yes=1 No=3	2488

[If item 11b = 1 continue, otherwise go to item 12.

- c. Did you opt-out of allowing your agricultural technology provider website to share data collected from the selected field with any third party?.....
d. Did you share any of the data collected from the selected field with a third party through an agricultural technology provider website?.....

Code	
Yes=1 No=3	2489
Yes=1 No=3	2490
Yes=1 No=3	2460

12. Were there or will there be any data collection tools such as yield monitors, GPS mapping, etc. used during field operations on this cotton field?.....

NEW Instruction – Old Question 12 & New Question 13 for columns 4-6: "If the tool was used -"

NEW Question 16:

16. In the selected field, did you use the UAV for any of the following purposes?

a. Weed analysis?.....	Yes=1	3161
	No=3	
b. Yield analysis?.....	Yes=1	3165
	No=3	
c. Moisture analysis?.....	Yes=1	3166
	No=3	

NEW Questions 19d, e, f

d. What is the annual fee for guidance auto-steering?.....	2162	2163
--	------	------

e. For what reasons did you choose to use an automated guidance system? (Select all that apply.)

4047 ☐ Increase yields 4048 ☐ Reduce input costs 4049 ☐ Reduce operator fatigue

4050 ☐ Improve soil condition (e.g. soil compaction) 4051 ☐ Technology came "standard" on my equipment 4047 ☐ Reduce environmental impacts (e.g. emissions)

4053 ☐ Other, Specify _____

[If item 19 = 3, ask—]

f. For what reasons did you choose not to use an automated guidance system? (Select all that apply.)

4054 ☐ Costs are too high relative to benefits 4055 ☐ Benefits are uncertain 4056 ☐ Too complicated to use

4057 ☐ Not sufficiently accurate 4058 ☐ Not suitable for my operation 4059 ☐ Other

Section G: Irrigation

No Changes

Conclusion:

No Changes

2025 ARMS Phase 2 Questionnaire Additions and Deletions – Potatoes PPR

No Changes