

2018 Soybean Production and Dicamba Survey

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? # Demographics

Question 1

```
WIdata %>%  
  filter(!is.na(County)) %>%  
  count(County)
```

```
## Warning: package 'bindrcpp' was built under R version 3.4.4
```

```
## # A tibble: 46 x 2  
##   County      n  
##   <fct>    <int>  
## 1 Barron      12  
## 2 Brown        1  
## 3 Buffalo      8  
## 4 Calumet       1  
## 5 Chippewa      9  
## 6 Clark         2  
## 7 Columbia      2  
## 8 Dane          2  
## 9 Dann          1  
## 10 Delaware     1  
## # ... with 36 more rows
```

Question 2

```
WIdata %>%  
  count(Role)
```

```
## # A tibble: 7 x 2  
##   Role      n  
##   <fct>    <int>  
## 1 ""         2  
## 2 Agronomist 33  
## 3 Co-op        2  
## 4 Farmer     100  
## 5 Industry Rep  9  
## 6 "Other "      3  
## 7 University rep  2
```

Question 3

Total soybean acres planted/managed in

2017

```
Wldata %>%  
  filter(!is.na(SoyA17)) %>%  
  group_by(Role) %>%  
  summarise(n = n(), average = mean(SoyA17), minimum=min(SoyA17), maximum = max(SoyA17), sum=sum(SoyA17))
```

```
## # A tibble: 7 x 6  
##   Role                n average minimum maximum    sum  
##   <fct>            <int>   <dbl>   <dbl>   <dbl> <int>  
## 1 ""                2    126    2.00    250   252  
## 2 Agronomist       30   8630   100    60000 258905  
## 3 Co-op            2  12500  5000    20000 25000  
## 4 Farmer          99    514    0      4000  50837  
## 5 Industry Rep     8  11994  20.0   45000  95948  
## 6 "Other "         1    200   200     200   200  
## 7 University rep   2    390   80.0    700   780
```

2018

```
Wldata %>%  
  filter(!is.na(SoyA18)) %>%  
  group_by(Role) %>%  
  summarise(n = n(), average = mean(SoyA18), minimum=min(SoyA18), maximum = max(SoyA18), sum=sum(SoyA18))
```

```
## # A tibble: 7 x 6  
##   Role                n average minimum maximum    sum  
##   <fct>            <int>   <dbl>   <dbl>   <dbl> <int>  
## 1 ""                2    141   32.0    250   282  
## 2 Agronomist       32  9828   150   60000 314505  
## 3 Co-op            2 13000   6000   20000 26000  
## 4 Farmer          99    555    0     3500  54936  
## 5 Industry Rep     8 12803    0   50000 102425  
## 6 "Other "         1    275   275    275   275  
## 7 University rep   2    62.5  50.0   75.0   125
```

2019

```
Wldata %>%  
  filter(!is.na(SoyA19)) %>%  
  group_by(Role) %>%  
  summarise(n = n(), average = mean(SoyA19), minimum=min(SoyA19), maximum = max(SoyA19), sum=sum(SoyA19))
```

```
## # A tibble: 7 x 6  
##   Role                n average minimum maximum    sum  
##   <fct>            <int>   <dbl>   <dbl>   <dbl> <int>  
## 1 ""                1    250   250    250   250  
## 2 Agronomist       31 13145   150   80000 407500  
## 3 Co-op            2 13000   6000   20000 26000  
## 4 Farmer          95    525    0     3500  49865  
## 5 Industry Rep     8 13272   25.0  52000 106175  
## 6 "Other "         1    250   250    250   250
```

```
## 7 University rep      2      62.5      50.0      75.0      125
```

Question 4

. Total Xtend soybean acres planted/managed in

2017

```
WIdata %>%
  filter(!is.na(XtendA17)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(XtendA17), minimum=min(XtendA17), maximum = max(XtendA17), sum=sum(XtendA17))
```

```
## # A tibble: 7 x 6
##   Role          n average minimum maximum    sum
##   <fct>      <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""          1     0       0       0     0
## 2 Agronomist  30    420       0    5000 12590
## 3 Co-op       2     0       0       0     0
## 4 Farmer     94    46.4       0    2500  4358
## 5 Industry Rep  8    709       0    5000  5669
## 6 "Other "    1     0       0       0     0
## 7 University rep  2     0       0       0     0
```

2018

```
WIdata %>%
  filter(!is.na(XtendA18)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(XtendA18), minimum=min(XtendA18), maximum = max(XtendA18), sum=sum(XtendA18))
```

```
## # A tibble: 7 x 6
##   Role          n average minimum maximum    sum
##   <fct>      <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""          1     0       0       0     0
## 2 Agronomist  32   1272       0   10000  40720
## 3 Co-op       2    675    150    1200   1350
## 4 Farmer     93    180       0    2500  16785
## 5 Industry Rep  8   3340       0   12000  26724
## 6 "Other "    1    40.0   40.0   40.0    40
## 7 University rep  2     0       0       0     0
```

2019

```
WIdata %>%
  filter(!is.na(XtendA19)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(XtendA19), minimum=min(XtendA19), maximum = max(XtendA19), sum=sum(XtendA19))
```

```
## # A tibble: 7 x 6
##   Role                n average minimum maximum    sum
##   <fct>             <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""                 1     0       0       0     0
## 2 Agronomist        30   3660     0   20000 109800
## 3 Co-op             2    7600    200   15000  15200
## 4 Farmer           80    300     0    3500  24001
## 5 Industry Rep      8   5122     0   15000  40974
## 6 "Other "          1    250    250    250    250
## 7 University rep    2     0       0       0     0
```

Question 5

Total Xtend soybean acres sprayed with dicamba burndown (preplant or pre-emergence) in

2017

```
Wldata %>%
  filter(!is.na(DicambaPRE17)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(DicambaPRE17), minimum=min(DicambaPRE17), maximum = max(DicambaPRE17))
```

```
## # A tibble: 6 x 6
##   Role                n average minimum maximum    sum
##   <fct>             <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""                 1     0       0       0     0
## 2 Agronomist        31   64.5     0   1000  2000
## 3 Co-op             2     0       0       0     0
## 4 Farmer           92    3.50     0    200   322
## 5 Industry Rep      7   724       0   5000  5069
## 6 University rep    2     0       0       0     0
```

2018

```
Wldata %>%
  filter(!is.na(DicambaPRE18)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(DicambaPRE18), minimum=min(DicambaPRE18), maximum = max(DicambaPRE18))
```

```
## # A tibble: 6 x 6
##   Role                n average minimum maximum    sum
##   <fct>             <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""                 1     0       0       0     0
## 2 Agronomist        32   250       0   3000  8000
## 3 Co-op             2     0       0       0     0
## 4 Farmer           92   10.1     0    300   925
## 5 Industry Rep      7  1375     0   8000  9622
## 6 University rep    2     0       0       0     0
```

2019

```
Wldata %>%
  filter(!is.na(DicambaPRE19)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(DicambaPRE19), minimum=min(DicambaPRE19), maximum = max(DicambaPRE19))
```

```
## # A tibble: 7 x 6
##   Role                n average minimum maximum sum
##   <fct>             <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""                 1     0       0       0     0
## 2 Agronomist        30   1440     0   20000  43200
## 3 Co-op             2     0       0       0     0
## 4 Farmer           80    101     0    1500   8118
## 5 Industry Rep      8   3358     0   15000  26862
## 6 "Other "          1    250    250    250    250
## 7 University rep    2     0       0       0     0
```

Question 6

Total Xtend soybean acres sprayed post-emergence with dicamba burdown in

2017

```
Wldata %>%
  filter(!is.na(DicambaPOST17)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(DicambaPOST17), minimum=min(DicambaPOST17), maximum = max(DicambaPOST17))
```

```
## # A tibble: 6 x 6
##   Role                n average minimum maximum sum
##   <fct>             <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""                 1     0       0       0     0
## 2 Agronomist        31    217     0    2500   6740
## 3 Co-op             2     0       0       0     0
## 4 Farmer           90   33.9     0    2500   3053
## 5 Industry Rep      8    365     0    2500   2920
## 6 University rep    2     0       0       0     0
```

2018

```
Wldata %>%
  filter(!is.na(DicambaPOST18)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(DicambaPOST18), minimum=min(DicambaPOST18), maximum = max(DicambaPOST18))
```

```
## # A tibble: 6 x 6
##   Role                n average minimum maximum sum
##   <fct>             <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""                 1     0       0       0     0
## 2 Agronomist        32    677     0    7500  21670
```

```
## 3 Co-op          2    600          0    1200    1200
## 4 Farmer         90    83.3          0    2500    7498
## 5 Industry Rep   8   1003          0    4000    8022
## 6 University rep 2     0           0         0     0
```

2019

```
Wldata %>%
  filter(!is.na(DicambaPOST19)) %>%
  group_by(Role) %>%
  summarise(n = n(), average = mean(DicambaPOST19), minimum=min(DicambaPOST19), maximum = max(DicambaPOST19))
```

```
## # A tibble: 7 x 6
##   Role          n average minimum maximum    sum
##   <fct>      <int>   <dbl>   <dbl>   <dbl> <int>
## 1 ""          1     0       0       0     0
## 2 Agronomist  31   4018     0   50000 124550
## 3 Co-op       2   7500     0   15000  15000
## 4 Farmer     80   197     0    2500  15731
## 5 Industry Rep 8   3583     0   15000  28662
## 6 "Other "    1    100   100    100    100
## 7 University rep 2     0     0     0     0
```

Question 7

Do you own a sprayer/spray your herbicide programs?

```
Wldata %>%
  filter(!is.na(OwnSpr)) %>%
  group_by(Role) %>%
  count(OwnSpr)
```

```
## # A tibble: 15 x 3
## # Groups:   Role [7]
##   Role      OwnSpr    n
##   <fct>      <fct> <int>
## 1 ""        Yes      2
## 2 Agronomist No      13
## 3 Agronomist Yes      20
## 4 Co-op     Yes       2
## 5 Farmer    ""        2
## 6 Farmer    No       22
## 7 Farmer    Yes      76
## 8 Industry Rep count     1
## 9 Industry Rep No       3
## 10 Industry Rep Yes      5
## 11 "Other "   ""        1
## 12 "Other "   No       1
## 13 "Other "   Yes      1
## 14 University rep ""        1
## 15 University rep No       1
```

Question 8

At the start of the season, did you use an effective pre-emergence herbicide program with multiple effective sties of action before or at planting?

```
Wldata %>%
  filter(!is.na(UsePRE)) %>%
  group_by(Role) %>%
  count(UsePRE)
```

```
## # A tibble: 19 x 3
## # Groups:   Role [7]
##   Role          UsePRE          n
##   <fct>         <fct>        <int>
## 1 ""           No             1
## 2 ""           Yes             1
## 3 Agronomist   If YES, which one(s)?    17
## 4 Agronomist   No              4
## 5 Agronomist   Not sure         4
## 6 Agronomist   Yes              8
## 7 Co-op        If YES, which one(s)?     1
## 8 Co-op        Yes              1
## 9 Farmer       ""              1
## 10 Farmer      If YES, which one(s)?    48
## 11 Farmer      No              27
## 12 Farmer      Not sure          2
## 13 Farmer      Yes              22
## 14 Industry Rep If YES, which one(s)?     5
## 15 Industry Rep Yes              4
## 16 "Other "     ""              1
## 17 "Other "     No              1
## 18 "Other "     Not sure          1
## 19 University rep No              2
```

```
Wldata %>%
  filter(!is.na(UsePRE)) %>% #Need to update heading
  group_by(Role) %>%
  count(UsePRE)
```

```
## # A tibble: 19 x 3
## # Groups:   Role [7]
##   Role          UsePRE          n
##   <fct>         <fct>        <int>
## 1 ""           No             1
## 2 ""           Yes             1
## 3 Agronomist   If YES, which one(s)?    17
## 4 Agronomist   No              4
## 5 Agronomist   Not sure         4
## 6 Agronomist   Yes              8
## 7 Co-op        If YES, which one(s)?     1
## 8 Co-op        Yes              1
## 9 Farmer       ""              1
## 10 Farmer      If YES, which one(s)?    48
## 11 Farmer      No              27
## 12 Farmer      Not sure          2
## 13 Farmer      Yes              22
```

```
## 14 Industry Rep    If YES, which one(s)?    5
## 15 Industry Rep    Yes                      4
## 16 "Other "        ""                      1
## 17 "Other "        No                      1
## 18 "Other "        Not sure                1
## 19 University rep  No                      2
```

DICAMBA APPLICATION POST-EMERGENCE IN XTEND SOYBEAN

Question 9

Which dicamba formulation did you use in Xtend soybeans

```
r Wldata %>% filter(!is.na(DicamabaFormulation)) %>% group_by(Role) %>%
count(DicamabaFormulation)
```

```
## # A tibble: 21 x 3 ## # Groups:   Role [7] ##      Role      DicamabaFormulation
n ##      <fct>      <fct>      <int> ## 1 ""          ""
2 ## 2 Agronomist ""          8 ## 3 Agronomist No
9 ## 4 Agronomist Yes, Engenia 7 ## 5 Agronomist Yes, Fexapan
1 ## 6 Agronomist Yes, XtendiMax 8 ## 7 Co-op      ""
1 ## 8 Co-op      Yes, Engenia 1 ## 9 Farmer    ""
41 ## 10 Farmer   No          34 ## # ... with 11 more rows
```

Question 11

Did you include a drift reduction agent (DRA) in the tank-mix

```
r Wldata %>% filter(!is.na(DrifRed)) %>% group_by(Role) %>% count(DrifRed)
```

```
## # A tibble: 16 x 3 ## # Groups:   Role [7] ##      Role      DrifRed      n ##
<fct>      <fct>      <int> ## 1 ""          ""          1 ## 2 ""
Yes          1 ## 3 Agronomist ""          15 ## 4 Agronomist No          1
## 5 Agronomist Not sure 1 ## 6 Agronomist Yes          16 ## 7 Co-op
""          1 ## 8 Co-op      Yes          1 ## 9 Farmer    ""          65
## 10 Farmer   No          12 ## 11 Farmer   Not sure 2 ## 12 Farmer
Yes          21 ## 13 Industry Rep ""          4 ## 14 Industry Rep Yes          5
## 15 "Other " ""          3 ## 16 University rep ""          2
```

Question 12

Did you include glyphosate in the tank-mix

```
r Wldata %>% filter(!is.na(IncludeGLY)) %>% group_by(Role) %>% count(IncludeGLY)
```

```
## # A tibble: 16 x 3 ## # Groups:   Role [7] ##      Role      IncludeGLY      n ##
<fct>      <fct>      <int> ## 1 ""          ""          1 ## 2 ""
Yes          1 ## 3 Agronomist ""          16 ## 4 Agronomist No
2 ## 5 Agronomist Not sure 1 ## 6 Agronomist Yes          14 ## 7
Co-op        ""          1 ## 8 Co-op      Yes          1 ## 9 Farmer
""          64 ## 10 Farmer   No          16 ## 11 Farmer   Yes
20 ## 12 Industry Rep ""          4 ## 13 Industry Rep No          1 ## 14
Industry Rep Yes          4 ## 15 "Other " ""          3 ## 16 University
rep ""          2
```

Question 13

Did you include post-emergence herbicides other than glyphosate in the tank-mix

```
r Wldata %>% filter(!is.na(IncludePOST)) %>% group_by(Role) %>% count(IncludePOST)
```

```
## # A tibble: 16 x 3 ## # Groups:   Role [7] ##      Role      IncludePOST      n
##      <fct>      <fct>      <int> ## 1 ""          ""          1 ## 2 ""
No          1 ## 3 Agronomist ""          17 ## 4 Agronomist No
7 ## 5 Agronomist Not sure 2 ## 6 Agronomist Yes          7 ## 7
Co-op        ""          1 ## 8 Co-op      No          1 ## 9 Farmer
""          65 ## 10 Farmer   No          26 ## 11 Farmer   Yes
9 ## 12 Industry Rep ""          4 ## 13 Industry Rep No          1 ## 14
Industry Rep Yes          4 ## 15 "Other " ""          3 ## 16
University rep ""          2
```


Question 14

Did you include soil-residual herbicides (Group 15) in the POST-emergence tank-mix

```
r Wldata %>% filter(!is.na(IncludeG15)) %>% group_by(Role) %>% count(IncludeG15)
```

```
## # A tibble: 17 x 3 ## # Groups:   Role [7] ##   Role          IncludeG15     n ##
<fct>         <fct>      <int> ## 1 ""              ""          1 ## 2 ""
No            1 ## 3 Agronomist ""          15 ## 4 Agronomist No
5 ## 5 Agronomist Not sure 2 ## 6 Agronomist Yes      11 ## 7
Co-op         ""          1 ## 8 Co-op        Yes        1 ## 9 Farmer
""            62 ## 10 Farmer  No         25 ## 11 Farmer  Not sure
2 ## 12 Farmer  Yes       11 ## 13 Industry Rep ""      4 ## 14
Industry Rep  No          2 ## 15 Industry Rep Yes      3 ## 16 "Other "
""            3 ## 17 University rep ""          2
```

Question 15

Did dicamba application in your Xtend soybeans injured neighboring soybean fields?

```
r Wldata %>% filter(!is.na(DicambaInjuryNeigh)) %>% group_by(Role) %>%
```

```
count(DicambaInjuryNeigh)
```

```
## # A tibble: 15 x 3 ## # Groups:   Role [7] ##   Role          DicambaInjuryNeigh
n ##   <fct>         <fct>      <int> ## 1 ""              ""
2 ## 2 Agronomist ""          11 ## 3 Agronomist No
16 ## 4 Agronomist Not sure 5 ## 5 Agronomist Yes
1 ## 6 Co-op        ""          1 ## 7 Co-op        No
1 ## 8 Farmer       ""          56 ## 9 Farmer       No
43 ## 10 Farmer     Yes        1 ## 11 Industry Rep ""
4 ## 12 Industry Rep No        5 ## 13 "Other "    ""
3 ## 14 University rep ""      1 ## 15 University rep No
1
```

Question 16

Has weed management in soybeans significantly improved with the adoption of Xtend soybean

```
r Wldata %>% filter(!is.na(ImpWeedC)) %>% group_by(Role) %>% count(ImpWeedC)
```

```
## # A tibble: 13 x 3 ## # Groups:   Role [7] ##   Role          ImpWeedC     n ##
<fct>         <fct>      <int> ## 1 ""              ""          2 ## 2 Agronomist
""            8 ## 3 Agronomist No          8 ## 4 Agronomist Yes      17
## 5 Co-op        ""          1 ## 6 Co-op        Yes        1 ## 7 Farmer
""            53 ## 8 Farmer  No         16 ## 9 Farmer  Yes      31
## 10 Industry Rep ""          3 ## 11 Industry Rep Yes      6 ## 12 "Other "
""            3 ## 13 University rep ""          2
```

NON-XTEND SOYBEAN ACRES

Question 17

Did you notice dicamba injury in your non-Xtend soybeans?

```
Wldata %>%
  filter(!is.na(DicambaInjuryOwn)) %>%
  group_by(Role) %>%
  count(DicambaInjuryOwn)
```

```
## # A tibble: 14 x 3
## # Groups:   Role [7]
##   Role          DicambaInjuryOwn     n
##   <fct>         <fct>      <int>
## 1 ""              ""          2
```

```
## 2 Agronomist      ""      11
## 3 Agronomist      No      16
## 4 Agronomist      Yes      6
## 5 Co-op           No       2
## 6 Farmer          ""      50
## 7 Farmer          No      41
## 8 Farmer          Yes       9
## 9 Industry Rep    ""       3
## 10 Industry Rep   No       5
## 11 Industry Rep   Yes       1
## 12 "Other "       ""       2
## 13 "Other "       No       1
## 14 University rep ""       2
```

Question 18

Did you file an official complaint with the Department of Agriculture?

```
Wldata %>%
  filter(!is.na(FileComp)) %>%
  group_by(Role) %>%
  count(FileComp)
```

```
## # A tibble: 12 x 3
## # Groups:   Role [7]
##   Role      FileComp      n
##   <fct>      <fct>    <int>
## 1 ""         ""         2
## 2 Agronomist ""        15
## 3 Agronomist No        18
## 4 Co-op      No         2
## 5 Farmer     ""        59
## 6 Farmer     No        41
## 7 Industry Rep ""         5
## 8 Industry Rep No         4
## 9 "Other "    ""         2
## 10 "Other "   No         1
## 11 University rep ""         1
## 12 University rep No         1
```

Question 19 # CHECK THIS ONE

What do you believe was (were) the main cause(s) for dicamba injury on your non-Xtend soybean?

```
Wldata %>%
  unite(CausesInj, CouseDicambaInjury, CouseDicambaInjury1, CouseDicambaInjury2, CouseDicambaInjury3, CouseDicambaInjury4) %>%
  filter(!is.na(CausesInj)) %>%
  group_by(Role) %>%
  count(CausesInj)
```

```
## # A tibble: 31 x 3
## # Groups:   Role [7]
##   Role      CausesInj      n
##   <fct>      <chr>    <int>
```

```
## 1 "" "" 2
## 2 Agronomist "" 24
## 3 Agronomist a) Tank-contamination (pesticide residue remaining in~ 1
## 4 Agronomist a) Tank-contamination (pesticide residue remaining in~ 1
## 5 Agronomist b) Physical drift during application in corn (Please ~ 1
## 6 Agronomist c) Physical drift during application in Xtend soybean~ 2
## 7 Agronomist c) Physical drift during application in Xtend soybean~ 1
## 8 Agronomist c) Physical drift during application in Xtend soybean~ 1
## 9 Agronomist e) Dicamba volatilization from application in Xtend s~ 1
## 10 Agronomist NA 1
## # ... with 21 more rows
```

Question 20

Do you expect yield reduction in your dicamba injured soybean?

```
Wldata %>%
  filter(!is.na(YieldRedSoyInjury)) %>%
  group_by(Role) %>%
  count(YieldRedSoyInjury)
```

```
## # A tibble: 16 x 3
## # Groups:   Role [7]
##   Role      YieldRedSoyInjury      n
##   <fct>      <fct>          <int>
## 1 ""         ""                2
## 2 Agronomist ""                18
## 3 Agronomist If yes, what percent yield reduction? 2
## 4 Agronomist No                13
## 5 Co-op      ""                1
## 6 Co-op      No                1
## 7 Farmer     ""               70
## 8 Farmer     If yes, what percent yield reduction? 4
## 9 Farmer     No                22
## 10 Farmer     Yes                4
## 11 Industry Rep ""                5
## 12 Industry Rep If yes, what percent yield reduction? 1
## 13 Industry Rep No                3
## 14 "Other "    ""                2
## 15 "Other "    No                1
## 16 University rep ""                2
```

Question 21

Do you think the technology should be available to producers next growing season?

```
Wldata %>%
  filter(!is.na(KeepXtend)) %>%
  group_by(Role) %>%
  count(KeepXtend)
```

```
## # A tibble: 13 x 3
```

```
## # Groups:   Role [7]
##   Role      KeepXtend    n
##   <fct>     <fct>    <int>
## 1 ""        ""        2
## 2 Agronomist ""        5
## 3 Agronomist No        3
## 4 Agronomist Yes       25
## 5 Co-op      Yes       2
## 6 Farmer     ""       19
## 7 Farmer     No       10
## 8 Farmer     Yes      71
## 9 Industry Rep ""       1
##10 Industry Rep Yes       8
##11 "Other "    ""       1
##12 "Other "    Yes       2
##13 University rep ""      2
```

Question 22

Any thoughts you would like to share regarding Xtend soybean

```
Wldata %>%
  filter(!is.na(Comments)) %>%
  group_by(Role) %>%
  count(Comments)
```

```
## # A tibble: 68 x 3
## # Groups:   Role [7]
##   Role      Comments      n
##   <fct>     <fct>    <int>
## 1 ""        ""        2
## 2 Agronomist ""      16
## 3 Agronomist Dicamba has been used in corn and small grains for de~ 1
## 4 Agronomist Glyphosate resistant waterhemp populations are explod~ 1
## 5 Agronomist I believe that we have an advantage using this techno~ 1
## 6 Agronomist "I feel that most of the cases where drift happened w~ 1
## 7 Agronomist I think Xtend beans are just another tool, not a Cure~ 1
## 8 Agronomist If we don't have this technology available it will ha~ 1
## 9 Agronomist Imp. to gauge application timing to weather event; ti~ 1
##10 Agronomist it has been very difficult to use this technology, bu~ 1
## # ... with 58 more rows
```