Pesticide Labels Now Report
Draft

2021-07-10

Contents

Executive Summary

A data dictionary and descriptive statistics were prepared based on the Pesticide Labels Now (PLN) analysis plan. For a better representation of users, we ignored a list of random identifiers ('aid' in *ignores.csv*) associated with the project team members and generated descriptive statistics for three subsets:

- evDownload.01
- evStart
- evViewPage.01

Data Dictionary

EvDownload.01 subset

Unique devices (aid)

```
print(n_distinct(evDownload.01$aid), style="rmarkdown")
```

[1] 93

Variable	Description
aid	Random device identifier
epaReg	EPA regsistration number
prodName	Pesticide product name
sourcePage	App page visited?
evType	Action taken on app (download)
ts	Timestamp yyy:mm:dd:hh:mm:ss

EvStart subset

Unique users (aid)

```
print(n_distinct(evStart$aid), style="rmarkdown")
```

[1] 397

Variable	Description
aid	Random device identifier
evDesc1	App version?
evDesc2	Device type
evDesc3	GPS coordinates
evType	Action taken on app (start page)
ts	Timestamp yyy:mm:dd:hh:mm:ss

EvViewPage.01 subset

Unique users (aid)

```
print(n_distinct(evViewPage.01$aid), style="rmarkdown")
```

[1] 362

Variable	Description
aid	Random device identifier
evDesc1	First action on app
evDesc2	English or Spanish
evDesc3	Pesticide label viewed
evType	Action taken on app (view page)
ts	Timestamp yyy:mm:dd:hh:mm:ss

Detailed variable descriptions

- Device = identified by a randomly assigned identifier. = Person. Person = device. There is no way to distinguish individual users. One device can be used by   1 person and 1 person can use   1 device.
- Access = accessed app = put PLN on device and opened app (app opens to label List).
- Session = time from when the app opened until just before next time it is opened.
- PICOL Searches = PICOL results viewed.
- Label searches = Label menu viewed.
- View = accessed and viewed information (any combination of   1 of the following)
- Label view = accessed + [(opened   1 label) + (opened   1 menu bar)] Label view + PDF = accessed + [(opened   1 label) + (opened   1 menu bar)+ (downloaded label PDF)]
- PICOL view = accessed + [(conducted   1 PICOL search) + (viewed   1 PICOL result)]
- PICOL view + PDF = accessed app + [(conducted   1 PICOL search) + (viewed   1 PICOL result) + (downloaded app)]
- General view = accessed +(viewed label search page + selected a label, but did not open menu bar) and/or (viewed PICOL search page) and/or viewed more pages General view + links
- Location = GPS coordinates. de-identified location in that it is somewhere within the ~ 500 ft radius. We will only report by broad areas. Agricultural regions if they are defined. Currently, many iPhone users are declining location as Apple is asking users if they want the location turned on/off with each update. We may only be able to evaluate this up to the April release date. App is only available to devices registered in the US, CA, and MX. However, phones registered in these countries can be used anywhere. For example, we had a user connect from S. America from a US registered phone.
- Population A definition: anyone that has accessed the app. There is 1 excluded population and 3 study subpopulations (based on gps location coordinates at time the app is opened.)
  - Device used in WA state GPS data. (Not Seattle or King County)
  - Device used outside of WA state
  - No location (location services are off.)
  - Exclude. King County or at least the Seattle metropolitan area locations. These are likely team and PNASH staff. Exclusion list. Selected random devices IDs are on an exclusion list. These are test devices.
- Population B definition: (Only use if enough people respond to in app questions). Those users that respond to the location in-app question. (This response can be linked to app analytic data as it has the same random unique ID). This will be implemented very soon.
  - Response I work in WA state (not quite the same as where they downloaded it)
  - Response I work outside of Washington state
  - Do not want to answer
  - Skips answering the question. (will combine with c)

Descriptive Statistics

evDownload

Frequencies

evDownload.01$prodName
Type: Factor

	Freq	%
Lorsban® Advanced	23	6.50
PARAQUAT 43.2% SL	18	5.08
2,4-D AMINE 4 HERBICIDE	16	4.52
2,4-D /AMINE 4 HERBICIDE	14	3.95
Lorsban®-4E Insecticide	12	3.39
440 SUPERIOR SPRAY OIL	11	3.11
Delegate® WG	11	3.11
Carbaryl 4L	10	2.82
ABBA ULTRA MITICIDE/INSECTICIDE	9	2.54
440 Superior Spray Oil	8	2.26
Acramite® - 50WS	8	2.26
Assail® 70WP Insecticide	8	2.26
Belt® SC Insecticide	7	1.98
Calypso® 4 Flowable Insecticide	7	1.98
3336 F TURF & ORNAMENTAL FUNGICIDE	6	1.69
Rex Lime Sulfur Solution	6	1.69
ABBA 0.15EC MITICIDE/INSECTICIDE	5	1.41
GRAMOXONE SL 2.0 HERBICIDE	5	1.41
120 HERBICIDE	4	1.13
ABACUS AGRICULTURAL MITICIDE/INSECTICIDE	4	1.13
ABBA 0.15	4	1.13
BRANDT LIME SULFUR FUNGICIDE	4	1.13
FireLine™ 17 WP fungicide/bactericide	4	1.13
GALIGAN 2E HERBICIDE	4	1.13
ROUNDUP POWER MAX HERB	4	1.13
2,4-D AMINE 4	3	0.85
470 SUPREME SPRAY OIL	3	0.85
AGRI-FLEX MITICIDE/INSECTICIDE	3	0.85
ASSAIL 70WP INSECTICIDE	3	0.85
DuPont™ Fontelis® FUNGICIDE	3	0.85
Isomate® CM Flex	3	0.85
SULFUR DRY FLOWABLE	3	0.85
3336 70EG TURF & ORNAMENTAL SYSTEMIC FUNGICIDE	2	0.56
ABAMEX MITICIDE/INSECTICIDE	2	0.56
ABBA 0.15EC	2	0.56
ACENTHRIN INSECTICIDE	2	0.56
ACETO BIFENTHRIN 2 EC	2	0.56
AGRI-MEK SC	2	0.56
AGRI-MYCIN 17	2	0.56
AGRISOLUTIONS DIMATE 4E SYSTEMIC INSECTICIDE	2	0.56
Asana® XL Insecticide	2	0.56
CHAMP DRY PRILL AGRICULTURAL FUNGICIDE / BACTERICIDE	2	0.56
CHAMP FORMULA 2 FLOWABLE	2	0.56
Cidetrak® Da Mec™	2	0.56
DELEGATE WG INSECTICIDE	2	0.56
DiPel® DF Biological Insecticide Dry Flowable	2	0.56
DuPONT LANNATE LV INSECTICIDE	2	0.56

	Freq	%
DuPontâ„¢ AltacorÂ®	2	0.56
FUSILADE DX HERBICIDE	2	0.56
IntruderÂ® Max 70WP Insecticide	2	0.56
LEAF LIFE GAVICIDE GREEN 415	2	0.56
LEPROTEC	2	0.56
REGULATE SELECT	2	0.56
ROUNDUP POWER MAX HERBICIDE	2	0.56
TIMECTIN 0.15EC AG INSECTICIDE/MITICIDE	2	0.56
Warrior II with Zeon TechnologyÂ®	2	0.56
6-BA	1	0.28
ABAMECTIN 2% MITICIDE/INSECTICIDE	1	0.28
ACADEMY FUNGICIDE	1	0.28
ACEPHATE 97UP INSECTICIDE	1	0.28
ACRAMITE-50WS	1	0.28
ACTIGARD 50WG	1	0.28
ADAMENT 50 WG FUNGICIDE	1	0.28
ADMIRE PRO SYSTEMIC PROTECTANT	1	0.28
ADORN FUNGICIDE	1	0.28
AGCLOR 310	1	0.28
AGRI-FOS SYSTEMIC FUNGICIDE PLUS	1	0.28
AGRI-MEK SC MITICIDE/INSECTICIDE	1	0.28
AGRISOLUTIONS RUGGED HERBICIDE	1	0.28
AIM EC HERBICIDE	1	0.28
ALTUS	1	0.28
AmbushÂ® 25W Insecticide Wettable Powder	1	0.28
APOGEE PLANT GROWTH REGULATOR	1	0.28
AZAGUARD BOTANICAL INSECTICIDE/NEMATICIDE	1	0.28
AZAMAX	1	0.28
BATTALLION 2EC	1	0.28
BSP LIME-SULFUR SOLUTION	1	0.28
BUCCANEER PLUS GLYPHOSATE HERBICIDE	1	0.28
CAPTIVA	1	0.28
CLEANSHOT 4L HERBICIDE	1	0.28
DREXEL MALATHION 5EC INSECTICIDE/MITICIDE	1	0.28
DuPONT EXIREL	1	0.28
ecoFOG-170 DPA POST-HARVEST DIPHENYLAMINE	1	0.28
ENTRUST	1	0.28
ENTRUST SC NATURALYTE INSECT CONTROL	1	0.28
EntrustÂ® SC NaturaliteÂ® Insect Control	1	0.28
Eraserâ„¢	1	0.28
FLUDIOXONIL 2L PH	1	0.28
GLY STAR ORIGINAL	1	0.28
GLY STAR PLUS	1	0.28
GOVERN 4E INSECTICIDE	1	0.28
HAWK-I 2L INSECTICIDE	1	0.28
HDH TBZ	1	0.28
IAP 440 SPRAY OIL	1	0.28
IAP HI SUPREME 440 SPRAY OIL-NW	1	0.28
KASUMIN 2L	1	0.28
Lambda-CYâ„¢ EC - RUP	1	0.28
LAMBDA SELECT	1	0.28
LIME-SULFUR SOLUTION -CANCELLED 2020-	1	0.28

	Freq	%
LIME-SULFUR SOLUTION AG FUNGICIDE	1	0.28
LIME SULFUR ULTRA	1	0.28
LORSBAN-4E INSECTICIDE	1	0.28
LORSBAN 75WG	1	0.28
LUNA TRANQUILITY	1	0.28
LunaÂ® SENSATION	1	0.28
MAD DOG PLUS	1	0.28
MERIVON XEMIUM BRAND FUNGICIDE	1	0.28
NU-COP 50DF FUNGICIDE/BACTERICIDE	1	0.28
ONAGER EW MITICIDE	1	0.28
PARA-SHOT 3.0	1	0.28
PitchÂ® 35WP	1	0.28
PROCURE 480SC AG FUNGICIDE	1	0.28
PROWL H2O HERBICIDE	1	0.28
QUALI-PRO GLYPHOSATE PLUS HERBICIDE	1	0.28
RELY 280 HERBICIDE	1	0.28
RESIST 57	1	0.28
REX LIME SULFUR SOLUTION	1	0.28
ROUNDUP WEATHER MAX	1	0.28
ROUNDUP WEATHER MAX HERBICIDE	1	0.28
SEVIN SL CARBARYL INSECTICIDE (ES)	1	0.28
SuccessÂ® NATURALYTEÂ® INSECT CONTROL	1	0.28
TALSTAR P PROFESSIONAL INSECTICIDE	1	0.28
TOPGUARD FUNGICIDE SPECIALTY CROPS	1	0.28
UltorÂ®	1	0.28
VALENT ENVOY HERBICIDE	1	0.28
VELUM PRIME	1	0.28
VINAGREEN	1	0.28
WILLOWOOD ABAMECTIN 0.15EC	1	0.28
WYNCA USA SUNPHOSATE 41% HERBICIDE	1	0.28
AGRISTAR BASIC COPPER 53	0	0.00
DIAZINON AG600 WBC INSECTICIDE	0	0.00
K-SALT FRUIT FIX 200	0	0.00
QUALI-PRO CHLORPYRIFOS 4E INSECTICIDE	0	0.00
SupracideÂ® 2E	0	0.00
THE ECOLOGY WORKS SOLUNEEM	0	0.00
Total	354	100.00

Frequencies

evDownload.01$sourcePage
Type: Factor

	Freq	%
PICOL	223	62.99
H&S	116	32.77
H&S Supplement	15	4.24
Total	354	100.00

Frequencies

evDownload.01$evType
Type: Factor

	Freq	%
evDownloadLabel	354	100.00
Total	354	100.00

Cross-Tabulation, Row Proportions

evType * sourcePage
Data Frame: evDownload.01

sourcePage	H&S	H&S Supplement	PICOL	Total
evType				
evDownloadLabel	116 (32.8%)	15 (4.2%)	223 (63.0%)	354 (100.0%)
Total	116 (32.8%)	15 (4.2%)	223 (63.0%)	354 (100.0%)

evStart

Frequencies

evStart$evDesc1
Type: Factor

	Freq	%
1.0.4 (34)	4724	39.85
1.0.7 (38)	3792	31.99
1.0.0 (30)	1039	8.77
1.0.6 (36)	940	7.93
1.0.6 (35)	463	3.91
0.9.2 (29)	459	3.87
1.0.8 (39)	192	1.62
1.0.1 (31)	148	1.25
1.0.2 (32)	48	0.40
0.7.20 (28)	25	0.21
1.0.4 (33)	23	0.19
· ()	0	0.00
1.0.6 (34)	0	0.00
1.0.7 (37)	0	0.00
1.0.10 (40)	0	0.00
Total	11853	100.00

Frequencies

evStart.unique.device$device_cat
Type: Character

	Freq	%
iphone	250	62.97
android	105	26.45
ipad	41	10.33
Pixel 3a: Android 10	1	0.25
Total	397	100.00

evViewPage

Frequencies

evViewPage.01$evDesc1
Type: Factor

	Freq	%
Labels Search	1192	31.43
HS Label	963	25.40
PICOL Search	444	11.71
More	362	9.55
Resources	317	8.36
PICOL Label	233	6.14
About	53	1.40
EULA	49	1.29
Feedback	48	1.27
Partners	41	1.08
Disclaimer	31	0.82
Contact	28	0.74
Privacy	21	0.55
Update News	10	0.26
Total	3792	100.00

Frequencies

evViewPage.01$evDesc2
Type: Factor

	Freq	%
en	2290	60.39
es	1502	39.61
Total	3792	100.00

Frequencies

evViewPage.01$evDesc3
Type: Factor

	Freq	%
(Empty string)	2596	68.460
440 Superior Spray Oil | epa: 2935-546	119	3.138
LorsbanÂ® Advanced | epa: 62719-591	78	2.057
LorsbanÂ®-4E Insecticide | epa: 62719-220	64	1.688
AssailÂ® 70WP Insecticide | epa: 8033-23-70506	62	1.635
AsanaÂ® XL Insecticide | epa: 59639-209	49	1.292
AcramiteÂ® - 50WS | epa: 400-503	45	1.187
Carbaryl 4L | epa: 34704-447	45	1.187
AmbushÂ® 25W Insecticide Wettable Powder | epa: 5481-502	37	0.976
CalypsoÂ® 4 Flowable Insecticide | epa: 264-806	35	0.923
DelegateÂ® WG | epa: 62719-541	34	0.897
Rex Lime Sulfur Solution | epa: 71096-6	33	0.870
Carbaryl 4L | epa: 19713-49	26	0.686
BeltÂ® SC Insecticide | epa: 264-1025	22	0.580
Warrior II with Zeon TechnologyÂ® | epa: 100-1295	22	0.580
CidetrakÂ® Da Mecâ„¢ | epa: 51934-12	17	0.448
DuPontâ„¢ FontelisÂ® FUNGICIDE | epa: 352-834	17	0.448
DrexelÂ® Sulfur 80 WDG | epa: 19713-674	16	0.422
SurroundÂ® WP Crop Protectant | epa: 61842-18	16	0.422
FireLineâ„¢ 17 WP fungicide/bactericide | epa: 80990-1	15	0.396
ImidanÂ® 70-W | epa: 10163-169	15	0.396
LunaÂ® SENSATION | epa: 264-1090	15	0.396
DuPontâ„¢ AltacorÂ® | epa: 352-730	14	0.369
IAP HI SUPREME 440 SPRAY OIL-NW | epa: 71058-6	14	0.369
Lambda-CYâ„¢ EC - RUP | epa: 70506-121	13	0.343
IAPÂ® Dormant Oil | epa: 71058-2	12	0.316
IsomateÂ® CM Flex | epa: 53575-32	12	0.316
PitchÂ® 35WP | epa: 59639-115-66222	12	0.316
PHT 440 Supreme Spray Oil | epa: 7001-7781	11	0.290
2,4-D AMINE 4 HERBICIDE | epa: 42750-19-5905	10	0.264
DiPelÂ® DF Biological Insecticide Dry Flowable | epa: 73049-39	10	0.264
EntrustÂ® SC NaturaliteÂ® Insect Control | epa: 62719-621	10	0.264
IntruderÂ® Max 70WP Insecticide | epa: 8033-23-70506	10	0.264
SuccessÂ® NATURALYTEÂ® INSECT CONTROL | epa: 62719-292	10	0.264
TopguardÂ® Fungicide Specialty Crops | epa: 279-3557	10	0.264
2,4-D /AMINE 4 HERBICIDE | epa: 33270-21	9	0.237
3336 F TURF & ORNAMENTAL FUNGICIDE | epa: 1001-69	8	0.211
Crusade DF | epa: 62562-8-71058	8	0.211
Eraserâ„¢ | epa: 62719-220-71058	8	0.211
ProvadoÂ® 1.6 Flowable Insecticide | epa: 264-763	8	0.211
440 SUPERIOR SPRAY OIL | epa: 2935-546	7	0.185
120 HERBICIDE | epa: 9779-96	6	0.158
BRANDT LIME SULFUR FUNGICIDE | epa: 61842-30-48813	6	0.158
Omni Supreme Spray | epa: 5905-368	6	0.158
ROUNDUP POWER MAX HERB | epa: 524-549	6	0.158
UltorÂ® | epa: 264-1065	6	0.158
ABBA 0.15EC MITICIDE/INSECTICIDE | epa: 72167-43-66222	5	0.132
ABBA ULTRA MITICIDE/INSECTICIDE | epa: 5481-621	5	0.132
JET-AGÂ® | epa: 81803-6	5	0.132
ROUNDUP WEATHER MAX | epa: 524-537	5	0.132
2,4-D AMINE 4 | epa: 1381-103	4	0.105

	Freq	%
470 SUPREME SPRAY OIL | epa: 2935-546	4	0.105
ABACUS AGRICULTURAL MITICIDE/INSECTICIDE | epa: 83100-4-83979	4	0.105
GRAMOXONE SL 2.0 HERBICIDE | epa: 100-1431	4	0.105
PARAQUAT 43.2% SL | epa: 85678-58	4	0.105
ROUNDUP POWER MAX HERBICIDE | epa: 524-549	4	0.105
6-BA | epa: 71368-60-71089	3	0.079
ABBA 0.15 | epa: 66222-191	3	0.079
ABBA 0.15EC | epa: 66222-139	3	0.079
ABBA ULTRA MITICIDE/INSECTICIDE | epa: 66222-226	3	0.079
DuPONT LANNATE LV INSECTICIDE | epa: 352-384	3	0.079
ROUNDUP WEATHER MAX HERBICIDE | epa: 524-537	3	0.079
3336 70EG TURF & ORNAMENTAL SYSTEMIC FUNGICIDE | epa: 1001-81	2	0.053
6-BA PGR SOLUTION | epa: 71368-60-71089	2	0.053
ABAMEX MITICIDE/INSECTICIDE | epa: 228-734	2	0.053
ACADEMY FUNGICIDE | epa: 100-1529	2	0.053
ACENTHRIN INSECTICIDE | epa: 70506-339	2	0.053
ACEPHATE 97UP INSECTICIDE | epa: 70506-8	2	0.053
ACETO BIFENTHRIN 2 EC | epa: 2749-556	2	0.053
ADORN FUNGICIDE | epa: 59639-141	2	0.053
AGRI-FLEX MITICIDE/INSECTICIDE | epa: 100-1350	2	0.053
AGRI-MEK SC | epa: 100-1351	2	0.053
AGRISOLUTIONS DIMATE 4E SYSTEMIC INSECTICIDE | epa: 9779-273	2	0.053
ASSAIL 70WP INSECTICIDE | epa: 8033-23-70506	2	0.053
AZAGUARD BOTANICAL INSECTICIDE/NEMATICIDE | epa: 70299-17	2	0.053
CHAMP 30 DP AG FUNGICIDE/BACTERICIDE | epa: 55146-115	2	0.053
CHAMP FORMULA 2 FLOWABLE | epa: 55146-64	2	0.053
LIME-SULFUR SOLUTION AG FUNGICIDE | epa: 61842-30	2	0.053
REX LIME SULFUR SOLUTION | epa: 71096-6	2	0.053
Supracide® 2E | epa: 10163-236	2	0.053
TIMECTIN 0.15EC AG INSECTICIDE/MITICIDE | epa: 84229-2	2	0.053
WARRIOR II W/ZEON TECHNOLOGY INSECTICIDE | epa: 100-1295	2	0.053
ABAMECTIN 2% MITICIDE/INSECTICIDE | epa: 85678-3	1	0.026
ACORA INSECTICIDE | epa: 91234-62-92735	1	0.026
ACRAMITE-50WS | epa: 400-503	1	0.026
ACTARA INSECT | epa: 100-938	1	0.026
ACTIGARD 50WG | epa: 100-922	1	0.026
ADAMA SILENCER VXN | epa: 66222-223	1	0.026
ADAMENT 50 WG FUNGICIDE | epa: 264-1052	1	0.026
ADMIRE 2 FLOWABLE INSECTICIDE (B) | epa: 264-758	1	0.026
ADMIRE PRO | epa: 264-827	1	0.026
ADMIRE PRO SYSTEMIC PROTECTANT | epa: 264-827	1	0.026
AFFIRM WDG | epa: 68173-3-1001	1	0.026
AGCLOR 310 | epa: 2792-62	1	0.026
AGRI-FOS SYSTEMIC FUNGICIDE PLUS | epa: 71962-2	1	0.026
AGRI-MEK SC MITICIDE/INSECTICIDE | epa: 100-1351	1	0.026
AGRI-MYCIN 17 | epa: 55146-96	1	0.026

	Freq	%
AGRICULTURE FARM GENERAL 53.8% GLYPHOSATE | epa: 84009-30	1	0.026
AGRISOLUTIONS FRAMEWORK 3.3 EC HERBICIDE | epa: 1381-216	1	0.026
AGRISOLUTIONS GALLANT 1.6L | epa: 1381-206	1	0.026
AGRISOLUTIONS RUGGED HERBICIDE | epa: 1381-247	1	0.026
AIM EC HERBICIDE | epa: 279-3241	1	0.026
ALTUS | epa: 432-1575	1	0.026
APOGEE PLANT GROWTH REGULATOR | epa: 7969-188	1	0.026
ASSAIL 70WP INSECTICIDE | epa: 8033-23	1	0.026
AZAMAX | epa: 71908-1-81268	1	0.026
BADGE X2 | epa: 80289-12-10163	1	0.026
BATTALLION 2EC | epa: 91234-104	1	0.026
BSP LIME-SULFUR SOLUTION | epa: 66196-2	1	0.026
BUCCANEER PLUS GLYPHOSATE HERBICIDE | epa: 55467-9	1	0.026
CAPTIVA | epa: 10163-326	1	0.026
CHAMP DRY PRILL AGRICULTURAL FUNGICIDE / BACTERICIDE | epa: 55146-57	1	0.026
CHLORPYRIFOS 4E AG INSECTICIDE | epa: 66222-19	1	0.026
CIDETRAK DA MEC | epa: 51934-12	1	0.026
CLEANSHOT 4L HERBICIDE | epa: 83222-39	1	0.026
DELEGATE WG INSECTICIDE | epa: 62719-541	1	0.026
DREXEL MALATHION 5EC INSECTICIDE/MITICIDE | epa: 19713-217	1	0.026
DREXEL SUFFA FLOWABLE ELEMENTAL SULFUR | epa: 19713-39	1	0.026
DuPONT EXIREL | epa: 352-859	1	0.026
ecoFOG-170 DPA POST-HARVEST DIPHENYLAMINE | epa: 64864-69	1	0.026
ENTRUST | epa: 62719-282	1	0.026
ENTRUST SC NATURALYTE INSECT CONTROL | epa: 62719-621	1	0.026
FLUDIOXONIL 2L PH | epa: 42750-251	1	0.026
FONTELIS | epa: 352-834	1	0.026
FUSILADE DX HERBICIDE | epa: 100-1070	1	0.026
GALIGAN 2E HERBICIDE | epa: 66222-28	1	0.026
GLY STAR ORIGINAL | epa: 42750-60	1	0.026
GLY STAR PLUS | epa: 42750-61	1	0.026
GOVERN 4E INSECTICIDE | epa: 62719-220-55467	1	0.026
HAWK-I 2L INSECTICIDE | epa: 81943-11	1	0.026
HDH TBZ | epa: 43410-33-83103	1	0.026
HEXYGON DF OVICIDE/MITICIDE | epa: 10163-251	1	0.026
IAP 440 SPRAY OIL | epa: 71058-6	1	0.026
ISOMATE -CM FLEX | epa: 53575-32	1	0.026
KASUMIN 2L | epa: 66330-404	1	0.026
LAMBDA SELECT | epa: 86869-5	1	0.026
LEAF LIFE GAVICIDE GREEN 415 | epa: 34704-1028	1	0.026
LEPROTEC | epa: 89046-12-88847	1	0.026
LIME-SULFUR SOLUTION -CANCELLED 2020- | epa: 61842-30	1	0.026
LIME SULFUR ULTRA | epa: 71096-11	1	0.026
LORSBAN-4E INSECTICIDE | epa: 62719-220	1	0.026
LORSBAN 75WG | epa: 62719-301	1	0.026
LORSBAN ADVANCED INSECTICIDE | epa: 62719-591	1	0.026

	Freq	%
LUNA TRANQUILITY | epa: 264-1085	1	0.026
MAD DOG PLUS | epa: 34704-890	1	0.026
MERIVON XEMIUM BRAND FUNGICIDE | epa: 7969-310	1	0.026
NU-COP 50DF FUNGICIDE/BACTERICIDE | epa: 45002-4	1	0.026
ONAGER EW MITICIDE | epa: 10163-337	1	0.026
PARA-SHOT 3.0 | epa: 83529-27	1	0.026
PROCURE 480SC AG FUNGICIDE | epa: 400-518	1	0.026
PROWL H2O HERBICIDE | epa: 241-418	1	0.026
QUALI-PRO GLYPHOSATE PLUS HERBICIDE | epa: 66222-176	1	0.026
REGULATE SELECT | epa: 89442-16	1	0.026
RELY 280 HERBICIDE | epa: 7969-448	1	0.026
RESIST 57 | epa: 82940-1	1	0.026
SEVIN SL CARBARYL INSECTICIDE (ES) | epa: 432-1227	1	0.026
SULFUR DRY FLOWABLE | epa: 62562-4-2935	1	0.026
TALSTAR P PROFESSIONAL INSECTICIDE | epa: 279-3206	1	0.026
THE ECOLOGY WORKS SOLUNEEM | epa: 81899-4-67419	1	0.026
TOPGUARD FUNGICIDE SPECIALTY CROPS | epa: 67760-75	1	0.026
TRIAD PESTICIDE | epa: 69493-1	1	0.026
VALENT ENVOY HERBICIDE | epa: 59639-78	1	0.026
VELUM PRIME | epa: 264-1078	1	0.026
VINAGREEN | epa: 85208-1-73015	1	0.026
WILLOWOOD ABAMECTIN 0.15EC | epa: 87290-58	1	0.026
WILLOWOOD GLUFOSINATE 280SL | epa: 87290-41	1	0.026
WYNCA USA SUNPHOSATE 41% HERBICIDE | epa: 87659-3	1	0.026
ZYLO INSECTICIDE | epa: 70506-332	1	0.026
ACTIMIN-FE | epa: 92942-1	0	0.000
AGRISTAR BASIC COPPER 53 | epa: 45002-8	0	0.000
ALION HERBICIDE | epa: 264-1106	0	0.000
BAYTHROID XL | epa: 264-840	0	0.000
CYCLONE SL 2.0 HERBICIDE | epa: 100-1431	0	0.000
DIAZINON AG600 WBC INSECTICIDE | epa: 66222-103-34704	0	0.000
DuPONT FONTELIS FUNGICIDE | epa: 352-834	0	0.000
K-SALT FRUIT FIX 200 | epa: 5481-414	0	0.000
QUALI-PRO CHLORPYRIFOS 4E INSECTICIDE | epa: 66222-19	0	0.000
SUPRACIDE 2E INSECTICIDE | epa: 10163-236	0	0.000
Total	3792	100.000

Frequencies

evViewPage.01$evType
Type: Factor

	Freq	%
evViewPage	3792	100.00
Total	3792	100.00

Dataframe summaries

Data Frame Summary

evDownload.01 Dimensions: 354 x 6 Duplicates: 0

No

Variable

Stats / Values

Freqs (% of Valid)

Graph

Valid

Missing

1

aid [factor]

1. 00ca5464486d0dff8753719aa
2. 01d5716c7fa1a292ef32f503d
3. 08c4d21ec4caf335321966da5
4. 0cccbd307866ddc241955ad22
5. 0e4bcad6c092ca1246575f1d9
6. 104e150cfd3f29fd0712771d2
7. 161996da6edd9a23d60030959
8. 1663214b378aa8ea947f87a87
9. 1e146cd29b187f32b1ee2201b
10. 1f7ee5b0c5c067fee205faae5 [89 others]
    2
    (
    0.6%
)
    6
    (
    1.7%
)
    6
    (
    1.7%
)
    4
    (
    1.1%
)
    9
    (
    2.5%
)
    1
    (
    0.3%
)
    28
    (
    7.9%
)

13

1
(
0.3%
)
1
(
0.3%
)
0
(
0.0%
)
296
(
83.6%
)
354 (100.0%)
0 (0.0%)
2
epaReg [factor]

1. 100-1070

2
(
0.6%
)
2
(
0.6%
)
3
(
0.8%
)
3
(
0.8%
)
5
(
1.4%
)
1
(
0.3%

)
1
(
0.3%
)
6
(
1.7%
)
2
(
0.6%
)
0
(
0.0%
)
329
(
92.9%
)
354 (100.0%)
0 (0.0%)
3
prodName [factor]

1. 120 HERBICIDE

20. 2,4-D /AMINE 4 HERBICIDE
21. 2,4-D AMINE 4
22. 2,4-D AMINE 4 HERBICIDE
23. 3336 70EG TURF & ORNAMENT
24. 3336 F TURF & ORNAMENTAL
25. 440 Superior Spray Oil
26. 440 SUPERIOR SPRAY OIL
27. 470 SUPREME SPRAY OIL
28. 6-BA [125 others]
4
(
1.1%
)
14
(
4.0%
)
3
(
0.8%
)
16
(
4.5%
)
2
(

0.6%
)
6
(
1.7%
)
8
(
2.3%
)
11
(
3.1%
)
3
(
0.8%
)
1
(
0.3%
)
286
(
80.8%
)
354 (100.0%)
0 (0.0%)
4
sourcePage [factor]

1. H&S

29. H&S Supplement
30. PICOL
116
(
32.8%
)
15
(
4.2%
)
223
(
63.0%
)
354 (100.0%)
0 (0.0%)
5
evType [factor]

1. evDownloadLabel
354
(
100.0%

)
354 (100.0%)
0 (0.0%)
6
ts [factor]

1. 2020-08-26T00:04:58.774Z

31. 2020-08-26T00:06:11.910Z
32. 2020-08-26T03:40:58.928Z
33. 2020-08-26T23:20:33.998Z
34. 2020-08-26T23:59:59.136Z
35. 2020-08-27T11:56:40.858Z
36. 2020-08-27T14:01:34.397Z
37. 2020-08-27T19:05:52.237Z
38. 2020-08-29T17:32:42.200Z
39. 2020-09-01T21:18:08.056Z [376 others]

0
(
0.0%
)
0
(
0.0%
)
0
(
0.0%
)
0
(
0.0%
)
0
(
0.0%
)
1
(
0.3%
)
0
(
0.0%
)
1
(
0.3%
)
1
(
0.3%
)
0
(

0.0%
)
351
(
99.2%
)
354 (100.0%)
0 (0.0%)
Data Frame Summary
evStart Dimensions: 11853 x 7 Duplicates: 10777
No
Variable
Stats / Values
Freqs (% of Valid)
Graph
Valid
Missing
1
aid [factor]

1. 0cccbd307866ddc241955ad22

40. 11b93a5a50498a0c9181e7f9a
41. 15038562bda78a0070f69d43e
42. 15d55fef0f67632950529098b
43. 188f8821cac04a2c19d5b9c0b
44. 33c5b5f6fe19a77b8433f9a51
45. 3567230674b52f9d80087c896
46. 38e8e6b6869f850b8a33196fc
47. 3f36efb441e763020dfaf783e
48. 45f83750ced694d5faf9d9971 [407 others]
50
(
0.4%
)
50
(
0.4%
)
204
(
1.7%
)
25
(
0.2%
)
25
(
0.2%
)
73
(
0.6%
)

25

(

0.2%

)

25

(

0.2%

)

166

(

1.4%

)

43

(

0.4%

)

11167

(

94.2%

)

11853 (100.0%)

0 (0.0%)

2

evDesc1 [factor]

1.

.

()

0

(

0.0%

)

25

(

0.2%

)

459

(

3.9%

)

1039

(

8.8%

)

148

(
1.2%
)
48
(
0.4%
)
23
(
0.2%
)
4724
(
39.9%
)
463
(
3.9%
)
0
(
0.0%
)
4924
(
41.5%
)
11853 (100.0%)
0 (0.0%)
3
evDesc2 [character]

1. iphone,ios,cordova,capaci

58. iphone,ios,cordova,capaci
59. iphone,ios,cordova,capaci
60. iphone,ios,cordova,capaci
61. ipad,ios,tablet,cordova,c
62. iphone,ios,cordova,capaci
63. iphone,ios,cordova,capaci
64. ipad,ios,tablet,cordova,c
65. iphone,ios,cordova,capaci
66. iphone,ios,cordova,capaci [118 others]
1195
(
10.1%
)
923
(
7.8%
)
890
(
7.5%
)

854
(
7.2%
)
817
(
6.9%
)
779
(
6.6%
)
436
(
3.7%
)
435
(
3.7%
)
275
(
2.3%
)
267
(
2.3%
)
4982
(
42.0%
)
11853 (100.0%)
0 (0.0%)
4
evDesc3 [factor]

1. (35.051366873052984,-79.0

67. (35.05139093907041,-79.04
68. (35.225780965553675,-80.7
69. (37.4219853,-122.0840034)
70. (37.4219906,-122.0841143)
71. (38.190336609848934,-121.
72. (38.19036029164294,-121.2
73. (39.52099059620665,-74.93
74. (40.65585177705254,-73.90
75. (40.655881904916264,-73.9 [461 others]
25
(
0.2%
)
25
(
0.2%

)
25
(
0.2%
)
0
(
0.0%
)
0
(
0.0%
)
25
(
0.2%
)
25
(
0.2%
)
25
(
0.2%
)
25
(
0.2%
)
25
(
0.2%
)
11653
(
98.3%
)
11853 (100.0%)
0 (0.0%)
5
evType [factor]

1. evStart
   11853
   (
   100.0%
)
   11853 (100.0%)
   0 (0.0%)
   6
   ts [factor]

   1. 2020-08-26T00:03:57.358Z

78. 2020-08-26T11:32:44.898Z
79. 2020-08-26T12:34:27.716Z
80. 2020-08-26T12:36:08.324Z
81. 2020-08-26T16:34:30.461Z
82. 2020-08-26T16:34:53.832Z
83. 2020-08-26T16:35:15.251Z
84. 2020-08-26T16:39:26.418Z [1180 others]
1
(
0.0%
)
25
(
0.2%
)
1
(
0.0%
)
0
(
0.0%
)
24
(
0.2%
)
0
(
0.0%
)
24
(
0.2%
)
24
(
0.2%
)
24
(
0.2%
)
24
(
0.2%
)
11706
(
98.8%
)
11853 (100.0%)
0 (0.0%)
7

device_cat [character]

    1. android

85. ipad
86. iphone
87. Pixel 3a: Android 10
3063
(
25.8%
)
1893
(
16.0%
)
6872
(
58.0%
)
25
(
0.2%
)
11853 (100.0%)
0 (0.0%)

Data Frame Summary

evViewPage.01 Dimensions: 3792 x 6 Duplicates: 0

No

Variable

Stats / Values

Freqs (% of Valid)

Graph

Valid

Missing

1

aid [factor]

1. 00bcaad37025ea2487328564f
2. 00ca5464486d0dff8753719aa
3. 00e8f88b00042e2479fd41eb3
4. 01d5716c7fa1a292ef32f503d
5. 0246f7568df181c9140e38948
6. 04dba5d9a3de740c009f310f0
7. 08ace15de10dffd9858b1f7a7
8. 08c37b6f658ace44395c65876
9. 08c4d21ec4caf335321966da5
10. 09e0071da2fedfaed7526cd8a [369 others]
6
(

0.2%
)
5
(
0.1%
)
2
(
0.1%
)
52
(
1.4%
)
0
(
0.0%
)
3
(
0.1%
)
2
(
0.1%
)
3
(
0.1%
)
14
(
0.4%
)
2
(
0.1%
)
3703
(
97.7%
)
3792 (100.0%)
0 (0.0%)
2
evDesc1 [factor]

1. About

17. More
18. Partners
19. PICOL Label [4 others]
    53
    (
    1.4%
)
    28
    (
    0.7%
)
    31
    (
    0.8%
)
    49
    (
    1.3%
)
    48
    (
    1.3%
)
    963
    (
    25.4%
)
    1192
    (
    31.4%
)
    362
    (
    9.5%
)
    41
    (
    1.1%
)
    233
    (
    6.1%
)
    792
    (
    20.9%
)
    3792 (100.0%)
    0 (0.0%)
    3
    evDesc2 [factor]

    1. en

20. es

2290
(
60.4%
)
1502
(
39.6%
)
3792 (100.0%)
0 (0.0%)
4
evDesc3 [factor]

1. (Empty string)

21. 120 HERBICIDE | epa: 9779
22. 2,4-D /AMINE 4 HERBICIDE
23. 2,4-D AMINE 4 | epa: 1381
24. 2,4-D AMINE 4 HERBICIDE |
25. 3336 70EG TURF & ORNAMENT
26. 3336 F TURF & ORNAMENTAL
27. 440 Superior Spray Oil |
28. 440 SUPERIOR SPRAY OIL |
29. 470 SUPREME SPRAY OIL | e [168 others]

2596
(
68.5%
)
6
(
0.2%
)
9
(
0.2%
)
4
(
0.1%
)
10
(
0.3%
)
2
(
0.1%
)
8
(
0.2%
)
119
(
3.1%

)
7
(
0.2%
)
4
(
0.1%
)
1027
(
27.1%
)
3792 (100.0%)
0 (0.0%)
5
evType [factor]

1. evViewPage
3792
(
100.0%
)
3792 (100.0%)
0 (0.0%)
6
ts [factor]

1. 2020-08-26T00:02:20.179Z

30. 2020-08-26T00:02:36.071Z
31. 2020-08-26T00:02:39.959Z
32. 2020-08-26T00:03:57.513Z
33. 2020-08-26T00:04:19.468Z
34. 2020-08-26T00:05:03.601Z
35. 2020-08-26T00:05:23.939Z
36. 2020-08-26T00:05:26.856Z
37. 2020-08-26T00:05:35.367Z
38. 2020-08-26T00:05:35.795Z [4207 others]
1
(
0.0%
)
1
(
0.0%
)
1
(
0.0%
)
0
(
0.0%
)
0

(
0.0%
)
1
(
0.0%
)
1
(
0.0%
)
0
(
0.0%
)
1
(
0.0%
)
1
(
0.0%
)
1
(
0.0%
)
3785
(
99.8%
)
3792 (100.0%)
0 (0.0%)
Data Frame Summary
Outputs.h.s.label.view.counts Dimensions: 38 x 2 Duplicates: 0
No
Variable
Stats / Values
Freqs (% of Valid)
Graph
Valid
Missing
1
prod.name...epa.Reg [factor]

1. 440 Superior Spray Oil |

39. AcramiteÂ® - 50WS | epa:
40. AmbushÂ® 25W Insecticide
41. AsanaÂ® XL Insecticide |
42. AssailÂ® 70WP Insecticide
43. BeltÂ® SC Insecticide | e
44. CalypsoÂ® 4 Flowable Inse
45. Carbaryl 4L | epa: 19713-
46. CidetrakÂ® Da Mecâ„¢ | ep
47. Crusade DF | epa: 62562-8 [28 others]
1
(
2.6%

)
1
(
2.6%
)
1
(
2.6%
)
1
(
2.6%
)
1
(
2.6%
)
1
(
2.6%
)
1
(
2.6%
)
1
(
2.6%
)
1
(
2.6%
)
28
(
73.7%
)
38 (100.0%)
0 (0.0%)
2
count [integer]
Mean (sd) : 25.7 (25.5) min < med < max: 5 < 15 < 119 IQR (CV) : 24.8 (1)
24 distinct values
38 (100.0%)
0 (0.0%)

Data Frame Summary

Outputs.HS.DLS.2021 Dimensions: 24 x 2 Duplicates: 0

No

Variable

Stats / Values

Freqs (% of Valid)

Graph

Valid

Missing

1

NameReg [factor]

1. 440 Superior Spray Oil |
2. AcramiteÂ® - 50WS | 400-5
3. AmbushÂ® 25W Insecticide
4. AsanaÂ® XL Insecticide |
5. AssailÂ® 70WP Insecticide
6. BeltÂ® SC Insecticide | 2
7. CalypsoÂ® 4 Flowable Inse
8. Carbaryl 4L | 19713-49
9. Carbaryl 4L | 34704-447
10. CidetrakÂ® Da Mecâ„¢ | 51 [14 others]

1
(
4.2%
)
1
(
4.2%
)
1
(
4.2%
)
1
(
4.2%
)
1
(
4.2%
)
1
(
4.2%
)
1
(
4.2%
)
1
(
4.2%

)
1
(
4.2%
)
1
(
4.2%
)
14
(
58.3%
)
24 (100.0%)
0 (0.0%)
2
Count [integer]
Mean (sd) : 3.3 (3.4) min < med < max: 1 < 2 < 15 IQR (CV) : 2.2 (1)
1
:
8
(
33.3%
)
2
:
5
(
20.8%
)
3
:
5
(
20.8%
)
4
:
2
(
8.3%
)
6
:
1
(
4.2%
)
7
:
1
(
4.2%
)

11

:

1

(

4.2%

)

15

:

1

(

4.2%

)

24 (100.0%)

0 (0.0%)

Data Frame Summary

Outputs.PICOL.DLS.2021 Dimensions: 83 x 2 Duplicates: 0

No

Variable

Stats / Values

Freqs (% of Valid)

Graph

Valid

Missing

1

NameReg [factor]

1. 120 HERBICIDE | 9779-96

11. 2,4-D /AMINE 4 HERBICIDE
12. 2,4-D AMINE 4 | 1381-103
13. 2,4-D AMINE 4 HERBICIDE |
14. 3336 F TURF & ORNAMENTAL
15. 440 SUPERIOR SPRAY OIL |
16. 470 SUPREME SPRAY OIL | 2
17. 6-BA | 71368-60-71089
18. ABACUS AGRICULTURAL MITIC
19. ABAMEX MITICIDE/INSECTICI [73 others]

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

1

(

1.2%

)

73

(

88.0%

)

83 (100.0%)

0 (0.0%)

2

Count [integer]

Mean (sd) : 2 (2.7) min < med < max: 1 < 1 < 14 IQR (CV) : 1 (1.3)

1

:

57

(

68.7%

)

2

:

14

(

16.9%

)

3

:

4

(

4.8%

)

4

:

2

(

2.4%

)

6

:

2

(

2.4%

)

11

:

1

(

1.2%

)

13

:

1

(

1.2%

)

14

:

2

(

2.4%

)

83 (100.0%)

0 (0.0%)