Iowa Department
of Natural Resources
&
Keep Iowa Beautiful

2004 Illegal Dumping Survey Results

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EXECUTIVE SUMMARY

The Iowa Department of Natural Resources (DNR), in collaboration with Keep Iowa Beautiful, Inc. (KIB), conducted a mail survey in June 2004 to better understand the level of knowledge, opinions and behaviors regarding illegal dumping. The survey was sent to a representative sample of Iowa households in three counties participating in the pilot study. A total of 707 (11.8%) of the 6,000 surveys were returned. Specific topics centered on five areas: knowledge and awareness, attitudes regarding illegal dumping, potential impact of actions to discourage illegal dumping, behaviors and action, and identification of sources used to get information. The information collected is intended to assist with the creation and implementation of programs and materials to combat illegal dumping in these three counties.

Knowledge / Awareness

There are generally high levels of knowledge associated with knowing it is illegal to dump junk outside designated areas (98%); knowing how to properly disposal of furniture, tires and appliances (83%); and knowing how to tell if something has been dumped illegally (70%).

Only one third (34%) know how to report an illegal dumping incident and only one fifth (20%) know the penalties for illegal dumping. One fifth (20%) of those having seen an illegal dumping site or person illegally dumping in the past year did anything about it.

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Trends/Differences of Note

- Those with the knowledge of how to report illegal dumping were four times as likely to do something about it.
- People were twice as likely to do something about illegal dumping if they saw a person as opposed to finding a site.
- Appanoose County respondents reported knowing how to properly dispose of items less often, but reported more often knowing the penalties for illegal dumping. Linn County respondents reported knowing how to report illegal dumping more often.
- Males tended to report a higher level of knowledge and awareness of illegal dumping.
- Those living outside city limits tended to report a higher level of knowledge, awareness and action in regard to illegal dumping.

Attitudes Regarding Illegal Dumping

Based on the ratings using a 4-point level of agreement scale, there is overwhelming agreement that illegal dumping; negatively affects the environment (3.86), has a negative economic effect on a community (3.80), has a negative effect on public health and safety (3.80), and negatively affects the appearance of a community (3.91).

There appears to be moderate agreement that illegal dumping is a problem in the communities of survey respondents (3.15).

Trends/Differences of Note

- People living outside city limits see illegal dumping as a bigger problem in their community.
- Females have stronger negative views towards illegal dumping than males.

Potential Impact

Actions identified as having a consequence for illegal dumpers are believed to have the most effect on discouraging illegal dumping. These include: increasing the enforcement of illegal duping laws, increasing fines and penalties for illegal dumping, and publicizing convictions for illegal dumping.

Actions believed to have the least impact on discouraging illegal dumping included: telling people that not dumping is the right thing to do, and presenting a message emphasizing community pride.

Factor analysis suggests respondents sorted the actions into two groups: 1) ‘hard-nosed’ actions that deliver or facilitated the delivery of a negative consequence – which received the higher ratings, and 2) ‘softer’ actions that provide support or information – which received the lower ratings.

Trends/Differences of Note

- Ratings of impact tend to increase as age increases, with the exception of providing rewards where impact decreases as age increases.
- Females tend to rate the 'softer' actions as having more impact.
- Impact ratings tend to decrease as income level increases among the 'softer' actions.

Behavior / Action

A clear majority of respondents are likely to report an illegal dumping site (74%) or a person dumping illegally (80%). There is near unanimous support of efforts to reduce illegal dumping (98%).

Trends/Differences of Note

- Likeliness and support tend to increase as income level increases.

Information Sources

Traditional media outlets such as newspaper (84%), television (77%) and radio (59%), are the sources used most often to get information. Local sources such as word of mouth (47%) and local newsletters (29%) were next in order. Technology-oriented sources such as Internet Web sites (15%) and E-mail (11%) were used less often.

Trends/Differences of Note

- Television use was significantly higher in Linn County.
- Local newsletters use was significantly higher in Boone County.
- Word of mouth use was higher in Appanoose County.
- Use of newspaper increased as age increased.

- Technology-oriented sources were used more often as income increased, less as age increased.

INTRODUCTION

Illegal dumping, which is the disposing of waste in an unpermitted public or private area, poses a threat to the environment and public health, and costs Iowa taxpayers millions of dollars each year for clean-up. The problem is underscored by public officials. In a 2002 Iowa Department of Natural Resources (DNR) statewide illegal dumping survey, 66 percent of city and county officials said illegal dumping is “somewhat” to a “very big” problem.

As a result, the Iowa Department of Natural Resources and Keep Iowa Beautiful (KIB) are initiating a statewide pilot education awareness and enforcement campaign to combat illegal dumping. Three Iowa counties – Appanoose, Boone and Linn – were chosen for the pilot program after an in-depth application and selection process, which was open to all Iowa cities and counties. They were selected, in part, to represent counties with small, medium and large populations.

In June 2004, the DNR and KIB conducted a mail survey of pilot county residents to better understand their knowledge, opinions and behaviors regarding illegal dumping. The information is intended to assist with the creation and implementation of programs and materials to combat illegal dumping in these three counties. The individual approaches will be evaluated. At the end of 2005, best practices from the pilot programs will be documented and recommendations will be made for a statewide initiative to prevent illegal dumping.

This report details the results of the survey. A review of the sample and methodology used to conduct the survey is followed by summaries of both statewide and county results. The results are presented in the order in which questions were asked on the survey.

SAMPLE

Response

Of the 6,000 surveys (2,000 to each of the three counties) that were mailed out to the counties, 707 were returned. This yielded an overall return rate of 11.8 percent. County specific returns are listed below:

County	Number Sent	Number Returned	Response Rate
Appanoose	2,000	219	10.95%
Boone	2,000	246	12.30%
Linn	2,000	242	12.10%

Though lower than previous KIB and DOT collaborative survey efforts, this return rate is not unexpected given no pre-notification, incentives or follow-ups were utilized.

Demographics

There was a near split among the gender of the 525 respondents providing gender data. A total of 264 (50.3%) were male and 261 (49.7%) were female. A total of 182 surveys did not provide gender data.

Gender	Survey		Census*
	Number	Percent	Percent
Male	264	50.3%	48.3%
Female	261	49.7%	51.7%
Total	**689**	**100.0%**	**100.0%**

** - Data from 2000 Census.*

As illustrated in the table below, compared to 2000 census data, the sample is not representative for those under 25 and generalizations for this group can not be made based on the results of this survey. The sample tends to under-represent those 26 to 39 years of age and over-represent those 40 years of age or older.

Age	Survey		Census*
	Number	Percent	Percent
18-25	13	1.9%	15.2%
26-39	88	12.8%	24.9%
40-64	374	54.3%	40.0%
65 and over	214	31.1%	19.9%
Total	**689**	**100.0%**	**100.0%**

* - *Data from 2000 Census with percentages using total number of individuals 18 and older as a base.*

Measurement Error

Measurement error is present in all surveys. In general, the more information a result is based on the lower the amount of error.

Based on the number of returns and a 95 percent confidence level, results generalized across the entire sample carry an error rate of +/- 3.8 percent. Results generalized to counties carry the following error rates: Appanoose, 6.6 percent; Boone, 6.3 percent; Linn, 6.3 percent.

Given the number of returns, it is recommended that results broken down by other demographic characteristics be used for information purposes only.

METHODOLOGY

Design

The survey was developed in a joint effort by DNR and KIB, to address issues and gather information of interest connected to illegal dumping in Iowa. Content of the survey focused on knowledge and awareness of illegal dumping issues, attitudes regarding illegal dumping, potential impacts of various activities on illegal dumping, as well as behavior and actions. To assist in development of tools, the survey also investigated sources most often used to get information.

Distribution

The survey was conducted by mail. To better understand knowledge and perceptions of residents in each county, DNR/KIB chose to send the survey to a list of 2,000 random households. Strategic America, along with a mail services company, coordinated the mailing. A total of 707 of the original 6,000 mailed surveys were returned during a period of approximately 45 days.

Each county's survey form was printed in a different color to easily track responses – white for Appanoose, yellow for Linn and brown for Boone. The survey was accompanied by a letter from each county's illegal dumping task force asking recipients to participate in the survey that will assist the county with efforts to prevent illegal dumping.

The survey was mailed in early June. The bulk of responses were received throughout June and early July. The responses were returned to Strategic America, where they were opened and sorted. They were then sent to DNR staff to begin compiling the results.

Mailing List

A list of addresses was purchased from a list provider. The list consisted of a representative sample of 2,000 single-family dwellings from each of the 3 counties for a total sample size of 6,000.

Analysis

This report contains three levels of detail. General overall results are given in the executive summary. The body of the report presents more detailed overall results with comments on any identified trends or differences among various subgroups. Appendix B of the report provides the greatest detail, with results presented for all subgroups. Analysis was performed and reports written by staff in the Director's Staff Division of the Iowa Department of Transportation.

Results are presented in the same order in which the questions appeared in the survey. Subgroup reporting was done by demographic information provided by survey respondents. These include: county, gender, marital status, age group, presence of school-aged children, residency (inside city limits or not), and income level. Surveys not providing an answer to a question, nor demographic data, were excluded from the results on a question-by-question and analysis-by-analysis basis. This led to individual question response total lower than the 707 surveys that were returned. Rounding may lead to percentage totals not equaling 100 percent.

Separate reports were written summarizing county-level results.

Comment

Following a trend of recent mail surveys, there was a very low return rate from respondents under 25 years of age. It is suggested that other methods (phone surveys with quota sampling, focus groups, etc.) be investigated to collect information from this group in future efforts.

Knowledge/Awareness

The first portion of the survey asked respondents about their knowledge and awareness of illegal dumping. It asked a series of yes/no questions on general and local community knowledge. It concluded by asking if the respondent had seen either an illegal dumping site or a person dumping illegally and if they had done anything about it.

In General

Do you know it is illegal to dump junk outside of designated areas?

Nearly all respondents (98.3%) indicated they know it was illegal to dump junk outside of designated areas. There was little difference in responses across the three counties or within any other demographic group.

Do you know how to tell if something has been dumped illegally?

Seven out of ten respondents (70.0%) said they know how to tell if something has been dumped illegally. Though there were differences between the counties (Appanoose-70.5%, Boone-73.5%, Linn-66.1%), these differences were not found to be significant.

Males (76.4%) reported a significantly higher level of knowledge than females (61.9%) and those living outside city limits reported a significantly higher level of knowledge (77.2%) than those living inside city limits (66.6%). Individuals in the under $25,000 income group reported the highest level of knowledge (75.0%), which was significantly higher than those in the $50,000 to $75,000 group (62.6%).

Within Your Community

If you see an illegal dumping incident, do you know how to report it?

Overall, approximately one third (34.3%) of those responding reported know how to report an illegal dumping incident if they see it. This knowledge was significantly lower in Linn County (18.3%) than either Appanoose (45.8%) or Boone (40.1%) counties.

Males (41.2%) reported a significantly higher level of knowledge than females (26.6%), while those under the age of 40 reported a significantly lower level of knowledge (23.8%) than the other age groups. As with the previous knowledge question, individuals living outside city limits reported a higher level of knowledge (41.0%) than those living inside city limits (31.2%) and those in the under $25,000 income group reported the highest level of knowledge (41.4%), which was significantly higher than those in the $50,000 to $75,000 group (27.9%).

Do you know how to properly dispose of items such as furniture, tires and appliances?

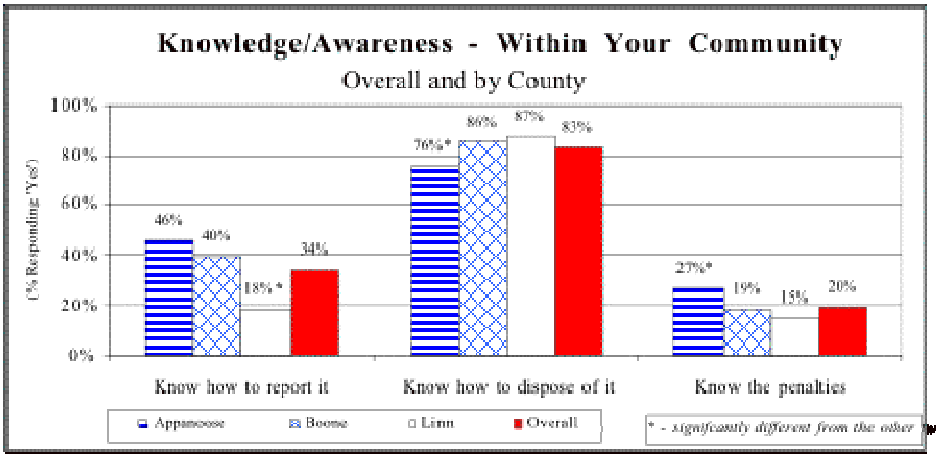
Knowledge of how to dispose of items such as furniture, tires and appliances was high overall, with more than four out of every five (83.2%) responding they know how to dispose of such items. Reported knowledge was found to be significantly lower for respondents from Appanoose County (75.9%) than respondents from either Boone (85.6%) or Linn (87.4%) counties.

Knowledge of how to properly dispose of items reported by the over $75,000 income group (91.2%) was significantly higher than all other income groups. There were no significant differences within the other demographic groups.

Do you know what the penalties are for illegal dumping?

Only one in five respondents (19.9%) reported knowing what the penalties are for illegal dumping. Knowledge of the penalties was significantly higher in Appanoose County (26.9%) than either Boone (18.5%) or Linn (14.9%) counties.

Knowledge of penalties for illegal dumping was significantly higher among respondents in the under $25,000 income group (34.3%) than among respondents in all other income groups. There were no significant differences within the other demographic groups.



Within the Last Year

This portion of the survey asked respondents if within the last year they had seen an illegal dumping site or a person dumping material illegally and, if they had seen either, whether they did anything about it.

Within the last year, have you seen: A site where you believe material was illegally dumped?

Overall, slightly more than half of those responding (51.4%) indicated they had seen a site where they believed material was illegally dumped within the last year. Though there were differences between the counties (Appanoose-47.0%, Boone-54.7%, Linn-51.9%), these were not found to be statistically significant.

Males reported having seen a site where they believed material had been illegally dumped within the last year significantly more often (59.5%) than females (42.0%) and those who were married reported having seen a site where they believed material had been illegally dumped within the last year significantly more often (59.4%) than those who were single (40.3%).

Respondents 65 or older reported they had seen a site where they believed material had been illegally dumped within the last year less often (45.0%), significantly less often than those respondents ages 40 to 64 (54.9%). Those with school-aged children reported having seen a site where they believed material had been illegally dumped within the last year significantly more often (63.2%) than those without school-aged children (48.3%).

Individuals living outside city limits reported they had seen a site where they believed material had been illegally dumped within the last year significantly more often (64.9%) than those living inside city limits (45.8%) while those in the over $75,000 income group reported they had seen a site where they believed material had been illegally dumped within the last year significantly more often (62.4%) than all other income groups.

Within the last year, have you seen: A person you believe was dumping material illegally?

Approximately one out of every twelve respondents (8.3%) reported they had seen a person they believed was dumping material illegally within the last year. There were no significant differences found between counties or within any other demographic group.

Nearly everyone (96.7%) who reported they had seen a person they believed was dumping material illegally within the last year also reported seeing a site where they believe material was illegally dumped within the last year. There were no significant differences found between counties or within any other demographic group.

IF you answered YES to either of the above, did you do anything about it?

Of those reporting they had either seen an illegal dumping site or person dumping material illegally within the last year, one in five (19.7%) indicated they did something about it. Respondents from Linn County reported they did something about the illegal dumping site or person dumping material illegally they had seen significantly less often (11.3%) than respondents from Appanoose (25.7%) or Boone (23.0%) counties.

Individuals living outside city limits reported they did something about the illegal dumping site or person dumping material illegally they had seen significantly more often (28.9%) than those living inside city limits (13.2%). There were no significant differences within the other demographic groups.

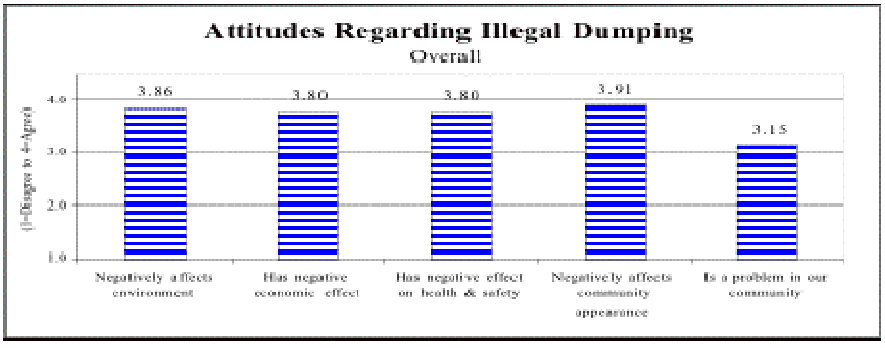
Individuals reporting they had seen an individual dumping material illegally were twice as likely (41.4% to 20.2%) to do something about it than those reporting they had seen an illegal dumping site. Among those respondents who had either seen an illegal dumping site or person dumping material illegally, a person was over four times as likely (39.8% to 8.6%) to do something about it if they knew how to report it. This last fact along with knowing the level of knowledge for reporting illegal dumping in Linn County was half that of the other counties may help explain the lower level of action reported in Linn County.

Attitudes Regarding Illegal Dumping

The second part of the survey asked respondents to indicate their level of agreement to five statements on attitudes regarding illegal dumping using a four point scale (1=disagree, 2=somewhat disagree, 3=somewhat agree, 4=agree). It presented four statements covering the negative effects and impacts of illegal dumping on the environment, the economy of a community, public health and safety, and the appearance of a community. It concluded with a question focusing on illegal dumping as a problem in their community.

Respondent ratings for the four items focusing on the negative effects and impacts of illegal dumping were all at or above 3.80 on the 4-point scale. The statement that illegal dumping affects the appearance of a community had the highest level of agreement (3.91). Level of agreement fell for the statement illegal dumping is a problem in our community to 3.15 on the 4-point scale.

> *Note*: Given the high ratings on the four statements covering the negative effects and impacts of illegal dumping, significant differences identified in the ratings of agreement are more statistical in nature than practical.



Illegal dumping negatively affects the environment.

Overall, the level of agreement to the statement that illegal dumping negatively affects the environment was high with a rating of 3.86 on the 4-point scale. The rating for Boone County (3.91) was significantly higher than the rating for Appanoose County (3.80).

Female respondents shared a significantly higher level of agreement (3.90) to the statement that illegal dumping negatively affects the environment than did male respondents (3.81). Those respondents in the 65 years of age or older age group reported the lowest level of agreement (3.78), which was significantly lower than the level of agreement than the 40-64 years of age group (3.91). There were no significant differences in levels of agreement within the other demographic groups.

Illegal dumping has a negative economic effect on a community.

Overall, respondents shared a high level of agreement to the statement that illegal dumping has a negative economic effect on a community, with a rating of 3.80 on the 4-point scale. There was little difference in level of agreement across the three counties.

Female respondents reported a significantly higher level of agreement (3.86) to the statement that illegal dumping has a negative economic impact on a community than did male respondents (3.75). There were no significant differences in levels of agreement within the other demographic groups.

Illegal dumping has a negative effect on public health and safety.

Overall, respondents shared a high level of agreement to the statement that illegal dumping has a negative effect on public health and safety, with a rating of 3.80 on the 4-point scale. Respondents from Appanoose County had a significantly lower level of agreement (3.73) than respondents from Boone and Linn counties (both 3.83).

Female respondents reported a significantly higher level of agreement (3.87) to the statement illegal dumping has a negative effect on public health and safety than did male respondents (3.72). Those respondents in the 65 years of age or older age group reported a level of agreement (3.74) that was significantly lower than for the other age groups.

There were no significant differences in levels of agreement within the other demographic groups.

Illegal dumping negatively affects the appearance of a community.

Overall, respondents shared the highest level of agreement to the statement that illegal dumping negatively affects the appearance of a community, with a rating of 3.91 on the 4-point scale. There was little difference in level of agreement across the three counties.

Level of agreement from female respondents (3.95) to the statement that illegal dumping negatively affects the appearance of a community was significantly higher than that of males (3.87). Those respondents in the 65 years of age or older age group reported the lowest level of agreement (3.85), which was significantly lower than the level of agreement than the 40-64 years of age group (3.94).

Level of agreement among respondents with school-aged children to the statement that illegal dumping negatively affects the appearance of a community nearly topped out the scale with a rating of 3.98 on the 4-point scale. This was significantly higher than those without school-aged children (3.90).

Illegal dumping is a problem in our community.

Respondents provided a moderately high level of agreement to the statement that illegal dumping is a problem in our community, with a rating of 3.15 on the 4-point scale. Differences between counties were not significant.

The level of agreement to the statement that illegal dumping is a problem in our community was significantly higher for respondents living outside city limits (3.34) than for those living inside city limits (3.07). There were no significant differences in levels of agreement within the other demographic groups.

Potential Impacts

This portion of the survey asked respondents to rate the effect eleven actions would have on discouraging illegal dumping using a four-point scale (1 = none, 2 = slight, 3 = moderate, 4 = major). Suggestions respondents provided to an 'Other' option are summarized in the written comment summary of this report. After a look at overall results, differences are presented by demographic group.

Overall

Respondents rated things that carried a consequence as having the most effect on discouraging illegal dumping. This is evidenced by the top three items being: "increasing the enforcement of illegal dumping laws" (average = 3.48), "increasing fines and penalties for illegal dumping" (average = 3.47), and "publicizing convictions for illegal dumping" (average = 3.45).

The lowest rated item, the only one to fall below the theoretical mid-point of 2.5, was "telling people not dumping is the right thing to do" (average = 2.40). Next were three items that fell below the 3.0 average: "presenting a message emphasizing community pride" (average 2.67), "reminding people of the costs to clean up illegally dumped items" (average = 2.79), and "providing education on the effects of illegal dumping" (average = 2.85).

Factor analysis revealed a pattern of responses that place the top five rated actions together in a 'hard-nosed' set and the remainder in a second 'softer' set of actions. Respondents believe these 'hard-nosed' potential actions will have more impact on discouraging illegal dumping.

	Overall
Potential Action	**Impact Rating***

Increasing the enforcement of illegal dumping laws..... 3.48		
Increasing fines and penalties for illegal dumping..... 3.47	**'Hard-Nosed'**	
Publicizing convictions for illegal dumping..... 3.45	**set of actions**	
Establishing a toll-free hotline for reporting illegal dumpers..... 3.29		
Providing rewards for turning in illegal dumpers..... 3.14		
Reminding people there is a fine for dumping..... 3.09		
Providing education on proper disposal and recycling..... 3.02		
Providing education on the effects of illegal dumping..... 2.85	*'Softer' set*	
Reminding people of the costs to clean up illegally dumped items..... 2.79	*of actions*	
Presenting a message emphasizing community pride..... 2.67		
Telling people that not dumping is the "right thing to do"..... 2.40		

** - 4-point scale (1=none, 2=slight, 3=moderate, 4=major)*

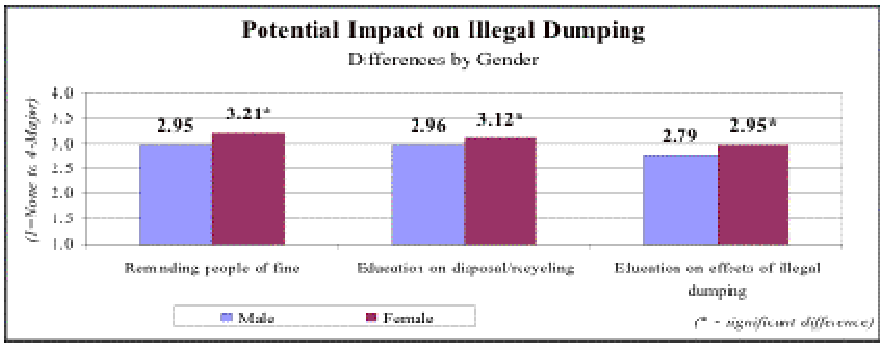
County

With the exception of the impact rating for establishment of a toll-free hotline, where the rating was lower in Appanoose (3.20) than in Boone (3.36), differences between counties were minor.

Gender

Female respondents rated the impact of actions that involved providing information to people (reminding people there is a fine for dumping – 3.21, providing education on proper disposal and recycling – 3.12, and providing education on the effects of illegal dumping – 2.95) significantly higher than males. Female respondent ratings for

reminding people of the costs to clean up and presenting messages emphasizing community pride were also higher, but not significantly.



Marital Status

In general, ratings of impact among items involving ‘consequences’ were higher among married respondents, while the more ‘supportive’ items were rated higher among single respondents.

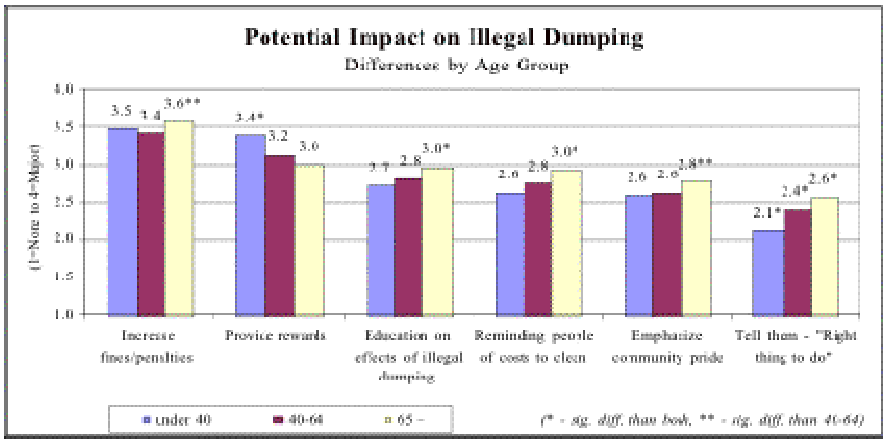
The only item for which there was a significant difference between those respondents who were married and those who were single was establishing a toll-free hotline for reporting illegal dumpers. Married respondents reported a significantly higher impact (3.33) for the toll-free hotline than single respondents (3.15).

Age

Significant differences in impact ratings were found between age groups for six of the eleven items. For the four items that did not involve a ‘consequence’ (provide education on effects of illegal dumping, reminding people of the costs to clean up, presenting a message emphasizing community pride, and telling people not dumping is the right thing to do), the impact ratings increased as age group got older.

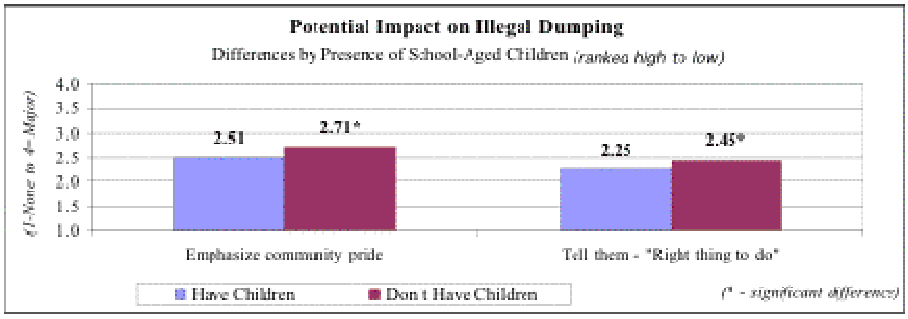
The reverse was true for the item mentioning providing rewards for turning illegal dumpers, where those in the under 40 age group (3.40) had a significantly higher impact rating than the other age groups. Though no trend existed across the age groups, the 65

and older age group rated increasing fines and penalties for illegal dumping significantly higher than the 40-64 age group.



School-Aged Children

Those respondents with school-aged children rated the impact of emphasizing community pride and telling people not dumping is the right thing to do was significantly lower than those who did not have school-aged children.

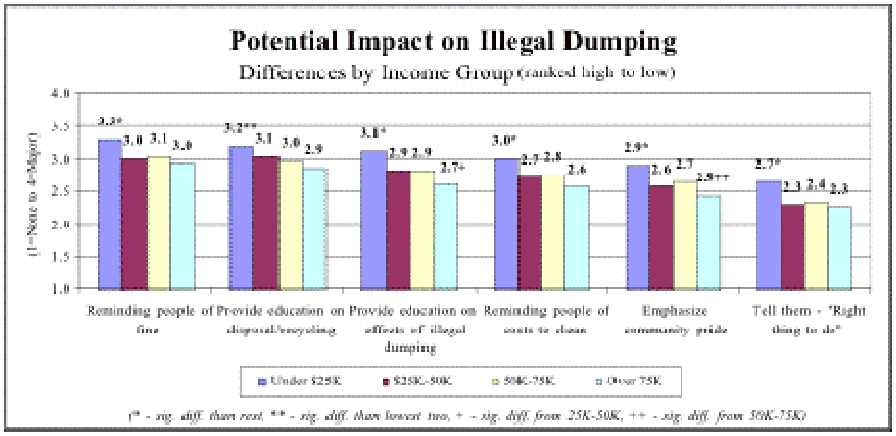


Residency

There were no differences in impact ratings between residents living inside or living outside of city limits.

Income Level

Differences in impact ratings among income groups existed for six of the eleven items, with the tendency for impact ratings to fall as income level rose. The impact ratings for the under $25,000 group was significantly higher than some or all of the other groups for each of the six actions. The over $75,000 group's impact ratings were significantly lower on the idea of providing education on the effects of illegal dumping (2.65) and presenting a message emphasizing community pride (2.46). Of note, significant differences among income groups did not exist for the five actions identified as having the most impact.



BEHAVIOR/ACTION

This section of the survey presented three questions concerning actions/behaviors that would help address illegal dumping. The first two questions focused on the likeliness of reporting, while the last asked about support for efforts to reduce illegal dumping.

Are you likely to report an illegal dumping site if you find one?

Nearly three out of every four respondents (74.4%) indicated they were likely to report an illegal dumping site if they found one. There were no significant differences in likeliness to report a site found between counties or within any other demographic group.

Are you likely to report a person you believe is dumping material illegally?

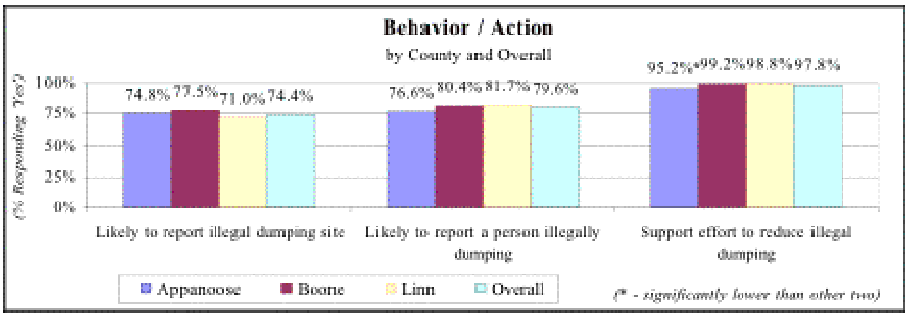
Approximately four out of every five respondents (79.6%) indicated they were likely to report a person they believed was dumping material illegally. There were no significant differences in likeliness to report a person found between counties.

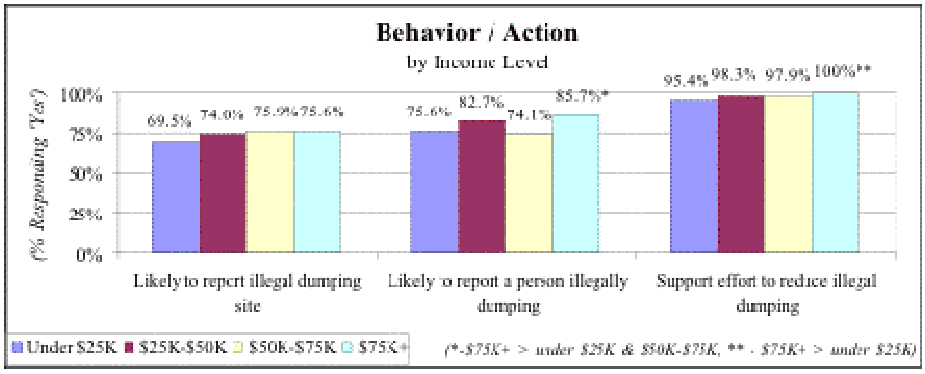
Respondents from the over $75,000 income group were most likely to report a person they believed was dumping material illegally (85.7%), which was significantly higher than those in the under $25,000 and $50,000 to $75,000 income groups. There were no significant differences in likeliness to report a person within the other demographic groups.

Would/do you support efforts to reduce illegal dumping in and around your community?

Nearly all respondents (97.8%) indicated they would/do support efforts to reduce illegal dumping in and around their community. The level of support reported by Appanoose (95.2%) respondents was significantly lower than those found in Boone (99.2%) and Linn (98.7%) counties.

Respondents indicating they were married supported efforts to reduce illegal dumping at a significantly higher rate (98.5%) than those who were single (95.2%). All respondents (100%) from the over $75,000 income group indicated supported such efforts, which was significantly higher than the level of support reported for respondents in the under $25,000 income group.





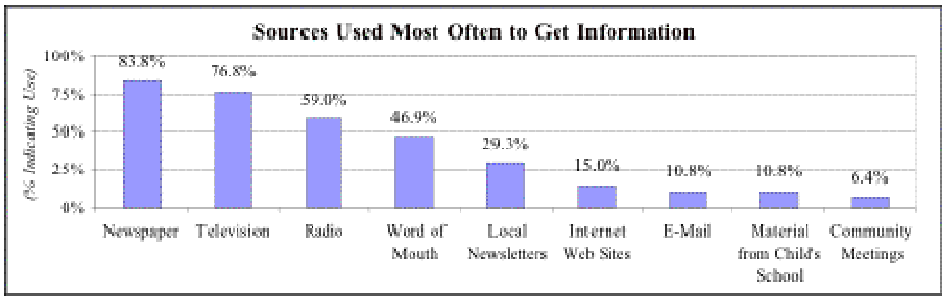
Note: Given the high levels of support for efforts to reduce illegal dumping in and around their community, significant differences identified are more statistical in nature than practical.

Information Sources

The survey asked respondents "*What sources do you use most often to get your information?*" Respondents could select as many as they desired from nine options provided as well as provide other sources. Differences are presented by demographic group.

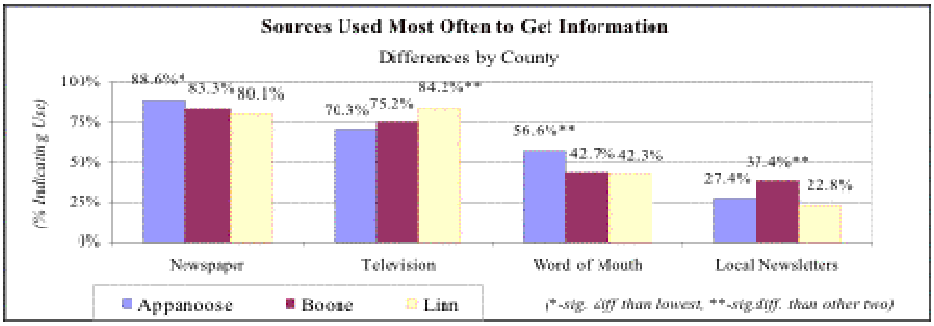
Overall

Respondents indicated the top two sources used most often to get their information were newspaper (83.8%) and television (76.8%). Nearly three out of five indicated they used radio (59.0%) and under half (46.9%) used word of mouth. These more traditional media outlet sources of information were reported more often than technology-oriented sources like Internet Web sites (15.0%) and E-mail (10.8%).



County

Respondents from Appanoose County reported significantly higher rates of use for newspaper (88.6%) and word of mouth (56.6%) as sources of information than the other counties. Boone County reported a significantly higher rate of use for local newsletters (37.4%) and Linn County reported a significantly higher rate of use for television (84.2%).



Gender

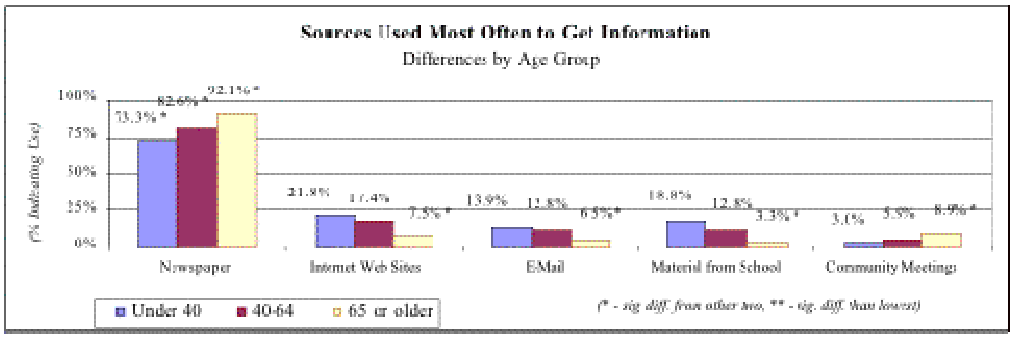
The only gender-based significant difference in sources used was local newsletters where females (34.5%) reported use at a higher rate than males (26.1%)

Marital Status

There were no significant differences identified.

Age

Reported use of newspaper as a source of information was significantly different for each of the age groups, with usage increasing with age. Those respondents 65 or older reported significantly lower use of Internet Web sites (7.5%), E-mail (6.5%) and material from school (3.3%), while reporting the highest usage of community meetings (8.9%).



School-Aged Children

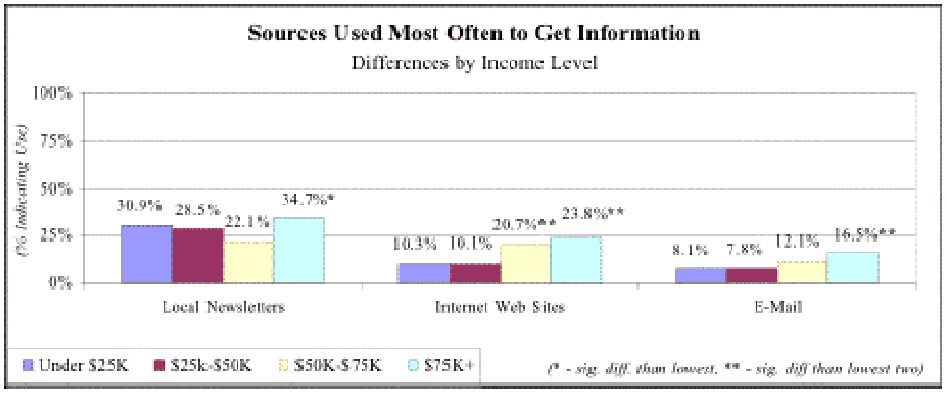
Respondents with school-aged children reported the use of Internet Web sites (24.3%) and material from school (36.0%) significantly more often than those without school-aged children.

Residency

There were no significant differences identified.

Income Level

Respondents in the over $75,000 income group reported the highest use of local newsletters (34.7%), Internet Web sites (23.8%) and E-mail (16.5%) significantly higher than the lowest reported use. Those respondents in the $50,000 to $75,000 income group reported a use of Internet Web sites that was significantly higher than those making less than $50,000.


Sources Used Most Often to Get Information
Differences by Income Level
100%
75%
50%
25%
0%
(% Indicating Use)
30.9%
28.5%
22.1%
34.7%*
10.3%
10.1%
20.7%**
23.8%**
8.1%
7.8%
12.1%
16.5%**
Local Newsletters
Internet Web Sites
E-Mail
Under $25K
$25k-$50K
$50K-$75K
$75K+
(* - sig. diff. than lowest, ** - sig. diff than lowest two)

BACKGROUND INFORMATION

General background information was asked at the end of the survey. This information was used to investigate possible differences to responses among various groups to gain a better understanding of the results of this survey. The county from which responses were received was also tracked. Gender and age information was used to evaluate the sample against 2000 census information. Specific results based on this information have been presented throughout the report and are not repeated here.

Marital Status

A majority of respondents (74.3%) indicated they were married. Those indicating they were single accounted for 18.8 percent of responses while the remaining respondents (7.0%) indicated ‘other’ for marital status. Because of the low number of returns and difficulty in interpreting the ‘other’ category, results by marital status will present information for two groups: married and single. A total of 35 surveys did not provide marital status data.

Gender

Near parity existed among surveys returned with an indication of gender. Male respondents accounted for 50.3% of responses while females accounted for 49.7%. A total of 182 surveys did not provide gender data.

Age

As with past KIB survey efforts, the sample severely under-represents the youngest age group. Results by age should be reviewed knowing the over-representation of the older age groups. Because of the low return for lower age groups, they have been combined for

reporting purposes. Results by age group will present information for three groups: under 40, 40-64 and 65 and over. A total of 13 surveys did not provide age data.

Age	Survey		Census*
	Number	Percent	Percent
18-25	13	1.9%	15.2%
26-39	88	12.8%	24.9%
40-64	374	54.3%	40.0%
65 and over	214	31.1%	19.9%
Total	**689**	**100.0%**	**100.0%**

** - Data from 2000 Census with percentages using total number of individuals 18 and older as a base.*

Do You Have School-Aged Children?

Approximately one out of every five respondents (20.7%) indicated they have school-aged children. A total of 50 surveys did not provide responses to this item.

Do You Live Inside City Limits?

Seven out of every ten respondents (70.3%) indicated they live inside city limits. A total of 68 surveys did not provide responses to this item.

Annual Household Income

The largest groups of respondents (30.8%) indicated their annual household income was between $25,000 and $49,999. Responses appear to match well with state-wide 2000 Census data. A total of 125 surveys did not provide annual income data.

For reporting purposes, the lower and upper pair of income groups were combined resulting in the reporting of income level results for four groups. These groups were labeled: less than $25,000; $25,000 to $50,000; $50,000 to $75,000; and $75,000 or more.

Annual Household Income				
Range	**Survey Frequency**	**Survey Percent**	**Survey Valid Percent**	**Census Percent**
Less than $10,000	21	3.0%	3.6%	3.8%
$10,000-$24,999	115	16.3%	19.8%	14.2%
$25,000-$49,999	179	25.3%	30.8%	34.4%
$50,000-$74,999	140	19.8%	24.1%	26.3%
$75,000-$99,999	84	11.9%	14.4%	11.6%
$100,000 or more	43	6.1%%	7.4%	9.7%
Sub-Total	**582**	**82.3**	**100.0%**	**100.0%**
Missing	125	17.7%		
Total	**707**	**100.0%**		

WRITTEN COMMENTS - SUMMARY

The following is a synopsis of comments made by respondents to the Illegal Dumping Survey. Respondents offered more than 130 written comments in addition to their survey responses. Though comments were found in all sections of the survey, a majority of comments focused on how to impact illegal dumping. The actual comments are listed in Appendix C.

Less Cost – More Convenient - The primary theme focused on removing the barriers of costs and access. It is believed doing so would have a major impact on illegal dumping. " . . . make it cheap and convenient and it (illegal dumping) would stop."

Clean-Up Days – Often singled out, many mentioned the use of clean-up days where fees would be waived or greatly reduced. These days could be focused on areas needing attention: specific locations, types of material to be collected, be tied to educational activities, etc.

Enforcement and Penalties – Respondents expressed the need to increase fines and penalties for those not interested in doing what is right. Assisting in cleaning up may impact future behavior. It is important, however, that something happen when illegal dumping is reported.

Government Service – There was the expectation among some of getting more (lower fees, more regular and less restrictive pick-ups, etc.) for taxes already paid. "Government in this area must realize that we pay taxes and expect service."

APPENDIX A – 2004 Illegal Dumping Survey

The Iowa Department of Natural Resources (DNR) and Keep Iowa Beautiful are working with your community to address illegal dumping. You can help by completing this brief, five-minute questionnaire. Responses are, and will remain, anonymous. When done, return the questionnaire by following the directions on the back. Postage has been pre-paid. Your answers will help make your community's efforts as effective as possible.

Thank you for taking the time to read through and complete this questionnaire.

Knowledge/Awareness – *(Circle the appropriate response)*

In general:		
Do you know it is illegal to dump junk outside of designated sites?	Yes	No
Do you know how to tell if something has been dumped illegally?	Yes	No
Within your community:		
If you see an illegal dumping incident, do you know how to report it?	Yes	No
Do you know how to properly dispose of items such as furniture, tires and appliances?	Yes	No
Do you know what the penalties are for illegal dumping?	Yes	No
Within the last year, have you seen:		
A site where you believe material was illegally dumped?	Yes	No
A person you believe was dumping material illegally?	Yes	No
If you answered **Yes** to either of the above, did you do anything about it?	Yes	No

Attitudes Regarding Illegal Dumping – Indicate your level of agreement with the following statements:

(Circle the appropriate response)	*Disagree*	*Somewhat Disagree*	*Somewhat Agree*	*Agree*
Illegal dumping negatively affects the environment	1	2	3	4
Illegal dumping has a negative economic effect on a community	1	2	3	4
Illegal dumping has a negative effect on public health and safety	1	2	3	4
Illegal dumping negatively affects the appearance of a community	1	2	3	4
Illegal dumping is a problem in our community	1	2	3	4

Potential Impact – What effect do you believe each of the following would have on discouraging illegal dumping?

(Circle the appropriate response)	*None*	*Slight*	*Moderate*	*Major*
Telling people that not dumping is the "right thing to do"	1	2	3	4
Presenting a message emphasizing community pride	1	2	3	4
Reminding people there is a fine for dumping	1	2	3	4
Reminding people of the costs to clean up illegally dumped items	1	2	3	4
Establishing a toll-free hotline for reporting illegal dumpers	1	2	3	4
Increasing the enforcement of illegal dumping laws	1	2	3	4
Increasing fines and penalties for illegal dumping	1	2	3	4
Publicizing convictions for illegal dumping	1	2	3	4
Providing rewards for turning in illegal dumpers	1	2	3	4
Providing education on proper disposal and recycling	1	2	3	4
Providing education on the effects of illegal dumping	1	2	3	4
Other (specify) _____	1	2	3	4

Behavior / Action – *(Circle the appropriate response)*

Are you likely to report an illegal dumping site if you find one?	Yes	No
Are you likely to report a person you believe is dumping material illegally?	Yes	No
Would/do you support efforts to reduce illegal dumping in and around your community?	Yes	No

Information Sources – What sources do you use ***most often*** to get your information? *(Check [√] **all** that apply)*

___ Newspaper	___ Television	___ Internet Web sites
___ Radio	___ Local newsletters	___ Email
___ Word of mouth	___ Community meetings	___ Materials from child's school

___ Other (please specify) _____

Background Information *(Check [√] the appropriate response)*

Marital Status: ___ Single ___ Married ___ Other **Gender:** ___ Male ___ Female

Age: ___ 18-25 ___ 26-39 ___ 40-64 ___ 65 and over

Do you have school-age children? ___ Yes ___ No **Do you live inside city limits?** ___ Yes ___ No

Annual Household Income:

___ Less than $10,000	___ $50,000 to $74,999
___ $10,000 to $24,999	___ $75,000 to $99,999
___ $25,000 to $49,999	___ $100,000 or more

Congratulations, you're done! Fold along the dotted line (address showing), tape shut and mail.

Thanks again for taking the time to complete this questionnaire!

APPENDIX B - Numerical Sub-Group Results

This appendix contains detailed breakdowns of the responses to the survey. Results are presented table format in the order in which the questions appeared in the survey.

At the top of each table is the lead-in statement and/or question that was asked. The top cell of the table describes the results in the white cells. Each table presents information from eight different perspectives, with the bold term describing the perspective, the non-bolded terms to the right describing the each subgroup, and the shaded cell indicating the number of respondents. For example, for the table below:

Overall results: 696 responded to the question

The overall rating: 2.40

When looked at by residency:

262 males responded 257 females responded

Their average rating: 2.39 Their average rating: 2.41

When looked at by age:

101 - under 40 responded 370 - 40 to 64 responded 211 - 65 or older responded

Their average rating: 2.13 Their average rating: 2.41 Their average rating: 2.57

What effect do you believe each of the following would have on discouraging illegal dumping?

Telling people that not dumping is the "right thing to do."

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	***Appanoose***	***Boone***	***Linn***	**Overall**	**2.40**
218/240/238	2.46	2.41	2.34	696	

Gender	***Male***	***Female***
262/257	2.39	2.37

Marital Status	***Single***	***Married***	***Other***
126/493/46	2.40	2.39	2.48

Age	***Under 40***	***40 to 64***	***65 or older***
101/370/211	2.13	2.41	2.57

School-Aged Kids	***Yes***	***No***	**Residency**	***Inside City Limits***	***Outside City Limits***
135/515	2.26	2.45	446/186	2.40	2.41

Income Level	***Under $25,000***	***$25,000-$49,999***	***$50,000-$74,999***	***$75,000 +***

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

134/179/139/126	2.68	2.32	2.35	2.26	

NOTE: Sub-group membership is determined through self-reporting. Those for which background information is left blank are not included in the results. This can lead to a smaller total number of respondents included in subgroup results than the overall results. For example, the sum of the gender subgroup respondents (262 + 257 = 519) is smaller than the overall number of respondents (696) to the question.

Knowledge/Awareness

Do you know it is illegal to dump junk outside of designated sites?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	98.3
216/243/241	97.2	98.8	98.8	700	

Gender	*Male*	*Female*
261/259	97.7	99.2

Marital Status	*Single*	*Married*	*Other*
125/495/47	97.6	98.6	100.0

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/211	98.0	98.4	98.6

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/517	98.5	98.5	445/189	98.7	98.4

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/177/140/126	97.0	98.9	97.1	100.0

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Do you know how to tell if something has been dumped illegally?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	70.0
210/238/236	70.5	73.5	66.1	684	

Gender	*Male*	*Female*
258/249	76.4*	61.9

Marital Status	*Single*	*Married*	*Other*
124/484/43	66.9	71.5	62.8

Age	*Under 40*	*40 to 64*	*65 or older*
100/363/204	69.0	68.6	75.0

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
130/506	70.0	70.2	434/184	66.6	77.2*

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
128/173/139/125	75.0[3]	70.5	62.6[1]	70.4

If you see an illegal dumping incident, do you know how to report it?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	34.3
216/242/241	45.8[3]	40.1[3]	18.3**	699	

Gender	*Male*	*Female*
262/256	41.2*	26.6

Marital Status	*Single*	*Married*	*Other*
145/495/45	34.4	34.1	33.3

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/209	23.8[2,3]	34.4[1]	39.2[1]

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/516	29.6	35.1	445/188	31.2	41.0*

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
133/176/140/126	41.4[3]	34.7	27.9[1]	36.5

*** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

**** - *significantly different than all*

Do you know how to properly dispose of items such as furniture, tires and appliances?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	83.2
216/243/238	75.9**	85.6[1]	87.4[1]	697	

Gender	*Male*	*Female*
263/256	84.4	80.9

Marital Status	*Single*	*Married*	*Other*
125/492/47	79.2	85.6[3]	68.1[2]

*** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

Age	*Under 40*	*40 to 64*	*65 or older*
99/370/212	87.9	82.2	84.0

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
133/517	85.0	83.0	442/189	84.4	81.1

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/176/138/125	75.6[4]	81.8[4]	82.6	91.2[1,2]

4 *- significantly different than fourth*
******** *- significantly different than all*

Do you know what the penalties are for illegal dumping?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	19.9
216/243/241	26.9**	18.5[1]	14.9[1]	700	

Gender	*Male*	*Female*
263/258	19.8	18.6

Marital Status	*Single*	*Married*	*Other*
124/496/46	20.2	18.4	28.3

Age	*Under 40*	*40 to 64*	*65 or older*
101/371/211	20.8	17.0	24.2

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
133/517	17.8	19.3	446/188	19.3	18.6

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
134/177/140/125	34.3**	15.8[1]	16.4[1]	14.4[1]

******* *- significantly different*
1 *- significantly different than first*
2 *- significantly different than second*
3 *– significantly different than third*
4 *- significantly different than fourth*
******** *- significantly different than all*

Within the last year, have you seen: A site where you believe material was illegally dumped?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	51.4
215/243/239	47.0	54.7	51.9	697	

Gender	*Male*	*Female*
262/257	59.5*****	42.0

Marital Status	*Single*	*Married*	*Other*
124/493/47	40.3[2]	59.4******	34.0[2]

Age	*Under 40*	*40 to 64*	*65 or older*
100/370/211	53.0	54.9[3]	45.0[2]

School-Aged Kids	*Yes*	*No*
136/513	63.2*****	48.3

Residency	*Inside City Limits*	*Outside City Limits*
445/185	45.8	64.9*****

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/175/140/125	47.4[4]	48.6[4]	48.6[4]	62.4******

****** - significantly different***

***1** - significantly different than first*

***2** - significantly different than second*

***3** – significantly different than third*

***4** - significantly different than fourth*

******* - significantly different than all*

Within the last year, have you seen: A person you believe was dumping material illegally?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	8.3
215/243/239	7.4	8.6	8.8	697	

Gender	*Male*	*Female*
262/257	8.4	6.6

Marital Status	*Single*	*Married*	*Other*
124/493/47	7.3	9.5	2.1

Age	*Under 40*	*40 to 64*	*65 or older*
100/370/211	12.0	8.7	5.7

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/513	11.0	7.8	445/185	7.0	11.4

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/175/140/125	8.9	8.0	6.4	11.2

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

If you answered yes to either of the above, did you do anything about it?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	19.7
101/135/124	25.7[3]	23.0[3]	11.3**	360	

Gender	*Male*	*Female*
156/109	21.2	15.6

Marital Status	*Single*	*Married*	*Other*
50/280/16	20.0	19.6	6.3

Age	*Under 40*	*40 to 64*	*65 or older*
53/204/96	20.8	20.1	16.7

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
86/250	24.4	16.8	205/121	13.2	28.9*****

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
64/86/68/79	20.3	19.8	14.7	24.1

Attitudes Regarding Illegal Dumping

Illegal dumping negatively affects the environment.

(average on a 4-point scale) 1=disagree, 2=somewhat disagree, 3=somewhat agree, 4=agree

County	*Appanoose*	*Boone*	*Linn*	Overall	3.86
218/243/239	3.80[2]	3.91[1]	3.86	700	

Gender	*Male*	*Female*
264/257	3.81	3.90*****

Marital Status	*Single*	*Married*	*Other*
125/498/47	3.88	3.86	3.81

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/212	3.84	3.91[3]	3.78[2]

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/516	3.88	3.86	447/188	3.88	3.85

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
134/179/139/127	3.81	3.86	3.89	3.88

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Illegal dumping has a negative economic effect on a community.

(average on a 4-point scale) 1=disagree, 2=somewhat disagree, 3=somewhat agree, 4=agree

County	*Appanoose*	*Boone*	*Linn*	Overall	3.80
218/243/239	3.76	3.84	3.81	700	

Gender	*Male*	*Female*
264/258	3.75	3.86*****

Marital Status	*Single*	*Married*	*Other*
125/498/47	3.79	3.81	3.79

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/212	3.78	3.83	3.79

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/517	3.81	3.80	447/188	3.81	3.77

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/178/139/127	3.81	3.80	3.82	3.87

Illegal dumping has a negative effect on public health and safety.

(average on a 4-point scale) 1=disagree, 2=somewhat disagree, 3=somewhat agree, 4=agree

County	*Appanoose*	*Boone*	*Linn*	Overall	3.80
216/242/238	3.73**	3.83[1]	3.83[1]	696	

Gender	*Male*	*Female*
264/256	3.72	3.87*

Marital Status	*Single*	*Married*	*Other*
125/496/46	3.81	3.80	3.80

Age	*Under 40*	*40 to 64*	*65 or older*
101/370/210	3.86[3]	3.83[3]	3.74**

** - significantly different*

1 - significantly different than first

2 - significantly different than second

3 – significantly different than third

4 - significantly different than fourth

*** - significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/512	3.80	3.81	445/185	3.81	3.78

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
133/179/139/127	3.77	3.79	3.83	3.84

Illegal dumping negatively affects the appearance of a community.

(average on a 4-point scale) 1=disagree, 2=somewhat disagree, 3=somewhat agree, 4=agree

County	*Appanoose*	*Boone*	*Linn*	Overall	3.91
216/245/239	3.88	3.94	3.91	700	

Gender	*Male*	*Female*
264/257	3.87	3.95*

Marital Status	*Single*	*Married*	*Other*
126/496/47	3.92	3.91	3.85

** - significantly different*

1 - significantly different than first

2 - significantly different than second

3 – significantly different than third

Age	*Under 40*	*40 to 64*	*65 or older*
101/373/211	3.94	3.94[3]	3.85[2]

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/516	3.98*	3.90	447/187	3.93	3.88

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/179/139/127	3.90	3.92	3.93	3.97

4 - significantly different than fourth
*** - significantly different than all*

Illegal dumping is a problem in our community.

(average on a 4-point scale) 1=disagree, 2=somewhat disagree, 3=somewhat agree, 4=agree

County	*Appanoose*	*Boone*	*Linn*	Overall	3.15
209/234/224	3.22	3.13	3.11	667	

Gender	*Male*	*Female*
255/241	3.10	3.15

Marital Status	*Single*	*Married*	*Other*
119/478/42	3.10	3.17	3.14

Age	*Under 40*	*40 to 64*	*65 or older*
97/364/194	3.09	3.17	3.15

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/487	3.25	3.13	422/183	3.07	3.34*

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
128/168/133/126	3.17	3.13	3.17	3.17

** - significantly different*
1 - significantly different than first
2 - significantly different than second
3 – significantly different than third
4 - significantly different than fourth
*** - significantly different than all*

Potential Impact

Telling people that not dumping is the "right thing to do."

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	2.40
218/240/238	2.46	2.41	2.34	696	

Gender	*Male*	*Female*
262/257	2.39	2.37

Marital Status	*Single*	*Married*	*Other*
126/493/46	2.40	2.39	2.48

Age	*Under 40*	*40 to 64*	*65 or older*
101/370/211	2.13**	2.41**	2.57**

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/515	2.26	2.45*	446/186	2.40	2.41

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
134/179/139/126	2.68**	2.32[1]	2.35[1]	2.26[1]

** - significantly different*

1 - significantly different than first

2 - significantly different than second

3 – significantly different than third

4 - significantly different than fourth

*** - significantly different than all*

Presenting a message emphasizing community pride.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	2.67
218/242/239	2.68	2.65	2.68	699	

Gender	*Male*	*Female*
261/259	2.61	2.75

Marital Status	*Single*	*Married*	*Other*
126/495/46	2.69	2.65	2.76

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/210	2.59	2.63[3]	2.79[2]

** - significantly different*

1 - significantly different than first

2 - significantly different than second

3 – significantly different than third

4 - significantly different than fourth

*** - significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/517	2.51	2.71*	445/188	2.70	2.58

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/177/139/127	2.92**	2.61[1]	2.68[1,4]	2.46[1,3]

Reminding people there is a fine for dumping.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	3.09
218/242/240	3.14	3.07	3.08	700	

Gender	*Male*	*Female*
262/259	2.95	3.21*

Marital Status	*Single*	*Married*	*Other*
126/495/46	3.13	3.07	3.22

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/212	3.10	3.06	3.17

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/517	3.07	3.10	446/188	3.04	3.12

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
134/179/139/127	3.30**	3.03[1]	3.07[1]	2.95[1]

Reminding people of the costs to clean up illegally dumped items.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	2.79
219/242/240	2.71	2.83	2.83	701	

Gender	*Male*	*Female*
263/259	2.71	2.87

***** - *significantly different*

1 - *significantly different than first*

Marital Status	*Single*	*Married*	*Other*	*2 - significantly different than second*
126/497/46	2.77	2.79	2.83	*3 – significantly different than third*
Age	***Under 40***	***40 to 64***	***65 or older***	*4 - significantly different than fourth*
101/373/212	2.64[3]	2.75[3]	2.95**	*** - significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/519	2.69	2.82	448/188	2.80	2.71

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/179/139/127	3.04**	2.74[1]	2.79[1]	2.59[1]

Establishing a toll-free hotline for reporting illegal dumpers.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	3.29
215/241/241	3.20[2]	3.36[1]	3.30	697	

Gender	*Male*	*Female*	** - significantly different*
263/259	3.24	3.31	*1 - significantly different than first*
Marital Status	***Single***	***Married***	***Other***	*2 - significantly different than second*
125/493/47	3.15[2]	3.33[1]	3.23	*3 – significantly different than third*
Age	***Under 40***	***40 to 64***	***65 or older***	*4 - significantly different than fourth*
101/373/208	3.21	3.29	3.32	*** - significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/517	3.30	3.28	447/186	3.27	3.34

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
134/177/140/126	3.37	3.28	3.23	3.35

Increasing enforcement of illegal dumping laws.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	3.48
218/242/241	3.45	3.50	3.48	701	

Gender	*Male*	*Female*
262/260	3.49	3.50

Marital Status	*Single*	*Married*	*Other*
126/495/47	3.46	3.49	3.40

Age	*Under 40*	*40 to 64*	*65 or older*
101/372/212	3.48	3.45	3.55

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/519	3.51	3.48	446/189	3.48	3.54

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
135/178/140/126	3.50	3.51	3.47	3.50

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Increasing fines and penalties for illegal dumping.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	3.47
215/241/239	3.49	3.48	3.46	695	

Gender	*Male*	*Female*
260/258	3.46	3.50

Marital Status	*Single*	*Married*	*Other*
125/491/47	3.46	3.48	3.49

Age	*Under 40*	*40 to 64*	*65 or older*
101/371/208	3.49	3.43[3]	3.58[2]

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/514	3.50	3.47	443/187	3.47	3.52

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
132/177/139/125	3.56	3.50	3.42	3.46

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Publicizing convictions for illegal dumping.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	3.45
216/240/240	3.46	3.50	3.39	696	

Gender	***Male***	***Female***			
262/256	3.45	3.46			
Marital Status	***Single***	***Married***	***Other***		
125/493/46	3.38	3.46	3.52		
Age	***Under 40***	***40 to 64***	***65 or older***		
101/372/207	3.33	3.47	3.50		
School-Aged Kids	***Yes***	***No***	**Residency**	***Inside City Limits***	***Outside City Limits***
136/514	3.45	3.45	444/186	3.44	3.51
Income Level	***Under $25,000***	***$25,000-$49,999***	***$50,000-$74,999***	***$75,000 +***	
132/178/139/126	3.55	3.48	3.37	3.52	

***** - *significantly different*

1 *- significantly different than first*

2 *- significantly different than second*

3 *– significantly different than third*

4 *- significantly different than fourth*

****** *- significantly different than all*

Providing rewards for turning in illegal dumpers.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major					
County	***Appanoose***	***Boone***	***Linn***	**Overall**	**3.14**
215/239/239	3.13	3.16	3.14	693	
Gender	***Male***	***Female***			
260/256	3.15	3.14			
Marital Status	***Single***	***Married***	***Other***		
126/492/45	3.09	3.15	3.11		
Age	***Under 40***	***40 to 64***	***65 or older***		
101/372/205	3.40**	3.15[1]	3.02[1]		
School-Aged Kids	***Yes***	***No***	**Residency**	***Inside City Limits***	***Outside City Limits***
136/512	3.24	3.10	444/185	3.14	3.16
Income Level	***Under $25,000***	***$25,000-$49,999***	***$50,000-$74,999***	***$75,000 +***	
132/177/140/126	3.17	3.17	3.17	3.13	

***** - *significantly different*

1 *- significantly different than first*

2 *- significantly different than second*

3 *– significantly different than third*

4 *- significantly different than fourth*

****** *- significantly different than all*

Providing education on proper disposal and recycling.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	3.02
216/239/240	3.00	3.04	3.00	695	

Gender	*Male*	*Female*
262/257	2.96	3.12*****

Marital Status	*Single*	*Married*	*Other*
126/492/46	3.07	3.01	3.20

Age	*Under 40*	*40 to 64*	*65 or older*
100/371/209	3.02	3.01	3.06

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/514	2.95	3.05	445/185	3.04	3.01

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
134/177/139/126	3.21[3,4]	3.05	3.00[1]	2.87[1]

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Providing education on the effects of illegal dumping.

(average on a 4-point scale) 1=none, 2=slight, 3=moderate, 4=major

County	*Appanoose*	*Boone*	*Linn*	Overall	2.85
217/240/240	2.83	2.83	2.87	697	

Gender	*Male*	*Female*
261/257	2.79	2.95*****

Marital Status	*Single*	*Married*	*Other*
126/493/46	2.98	2.82	3.04

Age	*Under 40*	*40 to 64*	*65 or older*
101/371/209	2.72[3]	2.82[3]	2.99**

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
135/516	2.76	2.88	444/187	2.86	2.80

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
133/178/139/126	3.13**	2.85[1, 4]	2.86[1]	2.65[1,2]

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Behavior / Action

Are you likely to report an illegal dumping site if you find one?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	74.4
210/231/231	74.8	77.5	71.0	672	

Gender	*Male*	*Female*
253/251	72.3	74.5

Marital Status	*Single*	*Married*	*Other*
125/471/45	70.4	75.0	84.4

Age	*Under 40*	*40 to 64*	*65 or older*
98/358/202	71.4	75.7	73.8

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
130/496	71.5	75.0	430/179	74.0	74.9

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
128/173/137/119	69.5	74.0	75.9	75.6

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Are you likely to report a person you believe is dumping material illegally?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	79.6
209/229/224	76.6	80.4	81.7	662	

Gender	*Male*	*Female*
254/246	81.5	78.1

Marital Status	*Single*	*Married*	*Other*
121/466/44	74.4	81.8	77.3

Age	*Under 40*	*40 to 64*	*65 or older*
99/353/196	76.8	82.7	75.5

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
131/485	84.0	79.0	423/178	79.9	81.5

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
127/168/135/119	75.6[4]	82.7	74.1[4]	85.7[1,3]

Would/do you support efforts to reduce illegal dumping in and around your community?

(percent 'Yes')

County	*Appanoose*	*Boone*	*Linn*	Overall	97.8
210/234/236	95.2**	99.2[1]	98.7[1]	665	

Gender	*Male*	*Female*
258/254	97.3	98.8

Marital Status	*Single*	*Married*	*Other*
124/481/46	95.2[2]	98.5[1]	97.8

Age	*Under 40*	*40 to 64*	*65 or older*
101/360/205	97.0	98.9	97.1

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
133/500	97.7	98.2	436/182	98.9	96.7

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
131/174/140/122	95.4[4]	98.3	97.9	100.0[1]

Information Sources – What sources do you use most often to get your information?

Newspaper

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	83.8
219/245/241	88.6[3]	83.3	80.1[1]	705	

Gender	*Male*	*Female*		
264/261	84.5	85.8		
Marital Status	***Single***	***Married***	***Other***	
126/498/47	81.8	83.7	87.2	
Age	***Under 40***	***40 to 64***	***65 or older***	
101/373/214	73.3**	82.6**	92.1**	
School-Aged Kids	***Yes***	***No***	**Residency**	***Inside City Limits***	***Outside City Limits***
136/520	82.4	83.9	448/190	85.3	80.0
Income Level	***Under $25,000***	***$25,000-$49,999***	***$50,000-$74,999***	***$75,000 +***
136/179/140/126	89.7	84.9	82.1	81.8

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Television

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	**Overall**	**76.8**
219/246/241	70.3[3]	75.2[3]	84.2**	706	
Gender	***Male***	***Female***		
264/261	79.2	76.3		
Marital Status	***Single***	***Married***	***Other***	
126/499/47	78.6	77.8	70.2	
Age	***Under 40***	***40 to 64***	***65 or older***	
101/374/214	79.2	76.2	78.0	
School-Aged Kids	***Yes***	***No***	**Residency**	***Inside City Limits***	***Outside City Limits***
136/521	70.6	78.9	449/190	79.1	73.2
Income Level	***Under $25,000***	***$25,000-$49,999***	***$50,000-$74,999***	***$75,000 +***
136/179/140/127	75.0	78.2	78.6	75.6

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Internet Web sites

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	15.0
219/245/241	15.7	15.9	14.1	705	

Gender	*Male*	*Female*
264/261	18.6	13.0

Marital Status	*Single*	*Married*	*Other*
126/498/47	15.9	15.9[3]	4.3[2]

Age	*Under 40*	*40 to 64*	*65 or older*
101/373/214	21.8[3]	17.4[3]	7.5**

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/520	24.3*	12.9	448/190	14.3	19.0

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/126	10.3[3,4]	10.1[3,4]	20.7[1,2]	23.8[1,2]

** - significantly different*

1 - significantly different than first

2 - significantly different than second

3 – significantly different than third

4 - significantly different than fourth

*** - significantly different than all*

Radio

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	59.0
219/245/241	55.3	59.6	61.8	705	

Gender	*Male*	*Female*
264/261	61.4	54.8

Marital Status	*Single*	*Married*	*Other*
126/498/47	52.4	60.4	59.6

Age	*Under 40*	*40 to 64*	*65 or older*
101/373/214	57.4	59.3	60.3

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/520	62.5	58.3	448/190	59.2	59.0

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/126	54.4	62.0	61.4	57.9

** - significantly different*

1 - significantly different than first

2 - significantly different than second

3 – significantly different than third

4 - significantly different than fourth

*** - significantly different than all*

Local Newsletters

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	29.3
219/246/241	27.4[2]	37.4**	22.8[2]	706	

Gender	*Male*	*Female*
264/261	26.1	34.5*

Marital Status	*Single*	*Married*	*Other*
126/499/47	29.4	29.5	25.5

Age	*Under 40*	*40 to 64*	*65 or older*
101/374/214	22.8	29.4	32.2

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/521	33.8	28.2	449/190	29.8	25.8

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/127	30.9	28.5	22.1[4]	34.7[3]

** - significantly different*

1 *- significantly different than first*

2 *- significantly different than second*

3 *– significantly different than third*

4 *- significantly different than fourth*

*** - significantly different than all*

E-mail

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	10.8
219/246/241	11.9	12.2	8.3	706	

Gender	*Male*	*Female*
264/261	9.9	10.0

Marital Status	*Single*	*Married*	*Other*
126/499/47	11.1	10.4	12.8

Age	*Under 40*	*40 to 64*	*65 or older*
101/374/214	13.9	12.8[3]	6.5[2]

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/521	14.7	10.0	449/190	10.7	10.5

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/127	8.1[4]	7.8[4]	12.1	16.5[1,2]

** - significantly different*

1 *- significantly different than first*

2 *- significantly different than second*

3 *– significantly different than third*

4 *- significantly different than fourth*

*** - significantly different than all*

Word of Mouth

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	46.9
219/246/241	56.6**	42.7[1]	42.3[1]	706	

Gender	*Male*	*Female*
264/261	45.8	52.1

Marital Status	*Single*	*Married*	*Other*
126/499/47	53.2	44.3[3]	59.6[2]

Age	*Under 40*	*40 to 64*	*65 or older*
101/374/214	52.5	44.9	49.1

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/521	43.4	48.4	449/190	47.0	47.9

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/127	45.6	53.6	42.9	43.3

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

Community Meetings

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	6.4
219/246/241	8.2	6.5	4.6	706	

Gender	*Male*	*Female*
264/261	7.2	7.7

Marital Status	*Single*	*Married*	*Other*
126/499/47	8.7	5.2[3]	12.8[2]

Age	*Under 40*	*40 to 64*	*65 or older*
101/374/214	3.0[3]	5.9	8.9[1]

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/521	4.4	7.1	449/190	7.1	6.8

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/127	5.9	6.2	5.0	6.3

Materials from Child's School

(percent checking response)

County	*Appanoose*	*Boone*	*Linn*	Overall	10.8
219/246/241	9.1	12.2	10.8	706	

Gender	*Male*	*Female*
264/261	9.9	13.4

Marital Status	*Single*	*Married*	*Other*
126/499/47	7.9	11.2	17.0

Age	*Under 40*	*40 to 64*	*65 or older*
101/374/214	18.8[3]	12.8[3]	3.3**

***** - *significantly different*

1 - *significantly different than first*

2 - *significantly different than second*

3 – *significantly different than third*

4 - *significantly different than fourth*

****** - *significantly different than all*

School-Aged Kids	*Yes*	*No*	Residency	*Inside City Limits*	*Outside City Limits*
136/521	36.0*	4.4	449/190	10.5	12.6

Income Level	*Under $25,000*	*$25,000-$49,999*	*$50,000-$74,999*	*$75,000 +*
136/179/140/127	8.8	11.2	12.1	13.4

APPENDIX C - Written Comments

This portion of the report presents the actual comments made by respondents in the survey. All attempts were made to maintain the actual comments, though minor grammatical changes may have been made to assist in reading the comments. Comments are arranged by the sections of the survey. The lagging code represents the county the comment came from (A-Appanoose, B-Boone, L-Linn) and has a unique tracking number assigned to each survey that can be used to monitor multiple comments from a single respondent.

APPANOOSE

Knowledge / Awareness

#6- Y, did you do anything about it? "We had it hauled off at our expense" A-015
I only knew of (person's name) I will keep this paper with names on it. A-097
Have seen a person dumping garbage in roadside ditch. A-107
In general, do you know how to properly dispose of furniture, tires, and appliances? "Not tires". A-204
A site where material is being dumped? "Lots of places" A-205

Attitudes Regarding Illegal Dumping

I don't know if illegal dumping is a problem in our community; Many people don't care. A-049

Potential Impact

Commercials emphasizing what a crappy thing it is to do. Stop more questionable drivers who throw their beer cans along the road. A-001
Providing disposal sites for things people need to dispose of like app. TV. Computers, tires etc Fee for this ok I think people would still use it. A-005
Conduct annual collection of tires, batteries, and etc and announce it well in advance. A-011
Have more recycling facilities. A-013
People who dump don't care about the environment to begin with and don't care about being educated. Getting caught is just a chance. A-022
Bring back cleanup days. A-026
Information about how to do recycling and dumping is not supplied, just complaints about people doing it; make it cheap and convenient and it would stop. A-033
Eliminate fees to legacy dump, increase hours available to dump, increase locations (# of) for legal dumping. A-040
Need better and more convenient place for dumping-more cities trash pick ups, even with a fee. A-061
Enforce laws and fines. A-069
Double the fines at least. Make it hurt. A-081
Law enforcement must follow thru and not be lax in their efforts!! A-082
Rural trash collection sights, lower dump fees, spend the clean-up money on free dumping at designated areas, and/or enforce mandatory trash pick-up, bill through property tax, light bill etc, information sources: work bulletin. A-041
Prowling dumpsters in strategic places where illegal dumping occurs, I think we should concentrate on the living conditions of our children!! A-100
Make the illegal clean up a mile of dumps. A-107
The people that dump illegally do not care about the environment or looks of the area. A-109
Make disposal free to low income families. A-116

I farm in rural App. County and see a lot of Appliances, Tires and Furniture in nearby roadsides. I think more county wide free days might help. A-117
If charges were less to get rid of items we had less illegal dumping. A-128
Free clean up day including tires, oil , appliances. A-139
Best thing to do is lower cost of dump fees. This I think is the biggest reason people dump illegally would save on clean up cost. A-150
Get the county to enforce or even act like they care when it's reported. A-152
Having other alternatives advertising during spring clean up days, currently details are omitted. A-157
Seeing DNR actually respond to reports of illegal dumping. A-161
Don't know any cure for dumping beer cans on the roadside. A-181
Free dump days for anything--tires, appliances, etc. A-189
Friday evening hanging of illegal dumpers on courthouse lawn. A-193
Create a public event like a picnic and use visual aids and games to educate people, especially the kids. A-198
Junk cars. A-200
Everybody knows but the cost is too high at landfill certain articles are not accepted the yard deposit for disposal every day. A-205

Behavior / Action

If I knew how to report illegal dumping, I would. A-006
I would report a person if I knew where. A-092
Are you likely to report a person…. "if hazardous chemicals" A-133
There should be tax money for individuals to use landfill. A-205

Information Sources

Information at work location. A-056
Signs. A-169

Background Information

"Don't need this (income) information". A-042
College. A-128
Frugal. A-130

Other

Very limited activities for 88 year olds! A-085

BOONE

Knowledge / Awareness

(I think) liked in woods, ditches, along roads? B-125
But need more like missy Boone Co. -Call to her work, not so with county shed or sheriff. B-069
Along Highway helped Madrid Lions walk #17. B-218

Nothing happens and it was the DNR. I contacted phone number Mike Wolfe 275-3138 not legal. Contact me on a big dump site. B-240

Potential Impact

Regarding question 21: not needed for people that care. B-010
To make legal dumping cheaper & easier. B-021
Lower landfill prices so it is more affordable. Free yard waste. B-048
Put them in Jail. B-065
Make dumps more accessible to home owners free for appliances and a few tires per year. Also some cover land rules are drawn back if I take a dryer to landfill why do I need to tarp my whole truck, unnecessary rules lead to dryer in the ditch. Property taxes should equal some areas. B-069
The city also needs to enforce people cleaning up junk & garbage off of personal property not just dumping onto others property. 25: if easily accessible (I.e.: toll free #) B-75
Teach children--forget adults. B-88
I recycle everything that is acceptable. However, I know of many others who don't for the simply reason, it's faster and easier to throw it with regular garbage pickup. Thus, those who don't have recycle garbage pickup, find it cheaper and easier to give others their unwanted garbage!! B-93
I have lived here ~20 years have never caught anyone dumping. It will be difficult to catch these folks. B-97
If this is helpful, but we already have people covering the areas, I know about. B-97
Not a whole new government program (I.e. Tax increase) B-97
Unless you enforce the laws and catch the people nothing will help. B-107
Suspend driving "privileges" for multiple convictions. B-111
Pay for Disposal at time of purchase (government program). B-114
Surveillance. B-123
People who illegally dump, I think, don't care about the community or others but themselves so the only thing that'll likely stop them is stiffer penalties where it'll make a significant dent in their pocketbook. Then they might at least think twice. B-125
Make it easier. B-134
They don't care if they don't pay taxes though they to know how the costs affect them. 16: Don't you need proof "tho"? B-138
Unfortunately those guilty of illegal dumping don't care & don't get it. Make them pay & give hours to clean up all the dump sites (Chain gangs if need be!) B-147
Decreasing landfill costs may help a lot! Help us know it's okay to report dumpsites. That we see and to know whom to call about it. I've seen major appliances, dead deer heads, bags of garbage in the ditches , etc. that I haven't reported just because I didn't know who would listen. One time we reported a bunch of dumped dead geese to the sheriff. Is he whom we call? B-148
Have more free days at landfill. B-156
Offering free legal dump services & waive landfill fees for individuals willing to clean up illegal dump sites. (We tried to clean one site & was told it would cost X amount to help the environment) B-183
People doing it don't care hefty fines (that are) $50.00 or $100 - at least $250 plus community service of cleaning up a dumpsite with no judge rescinding sentence. B-183
Drop off places for appliances furniture etc. B-185
Have more places to get rid of junk legally. B-191
Most "assholes" that illegally dump do so because of there pocketbook. B-199
Have more free days at landfill and better hours for working people. B-203
Lower the cost to dump legally. B-205
Providing dumping alternatives like waste tire days, haz. Waste collections, etc. B-219
Have a 3 day clean up fine in the ditches. B-239
Taking the refuse back to the residence of criminals depositing it outside the front door "Just kindly returning what you misplaced…" Take & publish pictures. 25: if I know how. B-241
Decrease cost of disposing furniture/appliances etc. The legal way "city dump fees". B-242

Behavior / Action

But provide a place cost free other than a landfill. B-224
Depends on where it is. Depends on who. B-239

Information Sources

Local Grocery Stores. B-023
Sight. B-049
We have a recycling service in Boone Co. that helps very much & a fine for littering etc. B-127
Personal visits. B-150
Publications. B-162
Email/ news Summaries B-195
10:00 pm news. B-211
Subscription to informative areas of concern & received email. B-215
Start with children, maybe something like Smokey the bear for dumping. B-218

Other

Please note: Illegal burning of garbage, trees, construction materials is a lot bigger problem in rural areas than dumping!! B-012
Have all this "shit" in 50 different languages. B-39
As long as you have a garbage hauling agency that does not pick up yard waste or an extra charge on hauling appliances away, you will not be able to solve the problem on illegal dumping. The problem is poor service on what you already have and the extra money you want to charge. Your survey will get you the answers you want, but will not solve the problem. Why is it nobody ever wants to hear the truth? B-045
Lets get going. B-101
A Polk Co. Roads Dept. does a good job of pickup the junk ditch on NW146th ~1/4 mile East of HWY 17 is a "popular" dump site. B-116

LINN

Potential Impact

Make it easier and cheaper for people to dispose of unwanted items. L-007
Reduce fees, expand hours, free disposal. L-018
In addition to fine, assign community service time cleaning up illegal dumps. L-019
Make it easier and less costly to get rid of unwanted items. L-052
Expand collection and increase volume and kinds of material that can be collected. L-065
TV/media coverage of convicted dumpers including names and photos. L-078
TV message (clean street)(not so clean) and include some above item. L-080
Lower fees at the dump. L-105
I have contacted the Secondary Roads Dept in Linn County in writing and by phone of illegal dumping in our neighborhood and NOTHING IS EVER DONE!! We report it and NOTHING IS DONE!!! Have the Secondary Roads Dept in Linn County respond to MANY reported incidents in our neighborhood!! L-117
Include landfill in our taxes so people with little or no money can get rid of any form of garbage, a lot of low income people find it easier to just dump it than pay to get rid of furniture, etc. L-124
Make the bulk item pick up twice a year instead of once. L-141
Provide a free area to dump items being illegally dumped. L-142
Better low cost (or free) and convenient options for disposal of waste not allowed in household trash. L-146
Providing better and easier access to dumping facilities. L-158
Make it far easier to use/access landfill sites or dumping sites. Roadside dumping increased when disposing items became costly and bureaucratic. These restrictions caused illegal dumping. L-161
Do not know who to call. L-172
Place recording cameras in areas of previous dumping to catch repeat dumpers. L-178
Garbage amnesty day more than once per year. L-138
JAIL. L-204
Provide a “clean up day" for free or @ a reduced rate. L-217
Pick up and reduced fees for low income residents. L-220
Public service announcements. L-221
Have free dump days @ landfill. L-227
Education at elementary level along with recycling and waste reduction. L-228
Penalties that prevent use of vehicles used for illegal dumping 6 months to a year. L-055
I'm afraid people who illegally "dump" are "me" people. They don't care about the environment. It needs to cost them something in order to sink in. L-096

Behavior / Action

But I do not know who to report to. L-025
I don't know how. L-031
Don't know where to. L-060
I live in the country-county road grader guy reports I guess. L-108

Information Sources

Call our local Bluestem Co. L-034
Materials offered by community offices on what to do with stuff. L-037
Bigger signs and bigger fines. L-038
The people illegally dumping just don't care. L-040
Bike riding, walking, hiking. L-050
Training for recycling and hazardous waste handling is provided at work. L-061
Civic Club Presentations. L-118

Other

You are missing the boat on this issue entirely. You need to ask the question "Why do people illegally dump?" The reason might be that they cannot afford to get rid of items they no longer need. We have real estate in Florida (where politics are not too good) and we can put out a much LARGER quantity of items for pick-up without paying penalties for the privilege. Government in this area MUST realize that

we pay taxes and expect service. The additional charge for added material is ridiculous! Also closing of the 6th street drop off will probably increase illegal dumping. In fact, this type of service (drop-off) needs to be increased if you can't expect curb pick-up. (typed & taped to survey). L-012