

OFFICE OF INDIANA STATE CHEMIST & SEED COMMISSIONER ANNUAL SEED REGULATORY REPORT

2023

Mark LeBlanc, Ph.D. - State Chemist & Seed Commissioner

2023
Indiana Seed Regulatory Program
Annual Report

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Indiana Seed Control 2023 Annual Report



Presented here within is the 2023 annual report of the Office of Indiana State Seed Commissioner. It represents a summary of official inspectional activities related to seed control in Indiana, as well as laboratory analyses performed on official samples collected under the authority of Indiana Seed Law for agricultural and vegetable seeds distributed in Indiana.

The activities of our seed regulatory program revolve around our mission statement: ***"Provide education and service to consumers of seed and the seed industry and assure a quality product is available in the marketplace and truthfully represented."***

The Indiana Seed Law is a "truth-in-labeling" law requiring basic quality factors to be expressed to represent a level of quality to potential purchasers and consumers. The purpose of the law is to provide the consumers with adequate information, through fair and consistent labeling, to make intelligent purchases of agricultural and vegetable seed products.

The inspection staff of the Indiana State Chemist and Seed Commissioner provides marketplace surveillance throughout the state through inspectional visits to all retail sales outlets offering seed products for sale. These products routinely consist of various agricultural crop seeds, forage seeds, lawn and turf seeds, and vegetable seed kinds. Samples are obtained through official sampling methods and are analyzed in the Indiana State Seed Laboratory to determine compliance with labeled guarantees.

Our office is a charter member of the Association of American Seed Control Officials (AASCO) and the Association of Official Seed Analysts (AOSA) and we abide by the rules and protocols established by those associations. This report accurately reflects the dedication to our statutory responsibilities to enforce the Indiana Seed Law and provide consumer protection to Indiana farmers, consumers, and seedsmen.

Prepared and Submitted By:

Jessica McVay
Seed Administrator

ENFORCEMENT ACTIONS…

Providing education, service and protection to Indiana consumers and industry to assure quality seed products of the highest integrity are truthfully represented and available in the marketplace

- ## OUR PURPOSE

  The Indiana Seed Law (IC 15-15-1) is administered by the Office of Indiana State Chemist & Seed Commissioner. The purpose of the law is twofold: First, to give the purchaser sufficient information to enable them to buy good seed, and second, to protect the honest and reliable seedsman and the farmer from unscrupulous dealers. Our field, laboratory and office staff strive to carry out our mission in administration and enforcement of the Act.

- ## ENFORCEMENT ACTION TAKEN IN 2023

  Enforcement action initiated in 2023 was dictated by the seriousness of the violations found as a result of either laboratory analysis or inspectional observations discovered during facility inspections. Sample numbers were down due to unforeseen staffing issues.

See Appendix on page 8 for additional details

Official Samples Tested in 2023:	1,167
Official Samples Correctly Labeled:	927
Samples Incorrectly Labeled:	240
Total Tests Completed on Samples:	2,160

Breakdown of 2023 Violations: *multiple violations per sample in some cases	
Minor Violations Based on Product Analysis: (Relabeling Orders):	79
Serious Violations Based on Product Analysis: (Stop Sale Orders):	56
Technical Violations Based on Label Analysis:	102
Inspector-Issued Stop Sale Orders (Number of Seed Lot's Involved):	143
Active Indiana Seed Permits	399

Laboratory analysis done to verify label claims of "mechanical purity" (included Pure Seed %, other crop seed %, inert matter %, weed seed %, noxious weed seed), seed count, and "viability" (germination, hard seed, and dormancy). Additional claims evaluated included genetic trait verification for glyphosate tolerance (by lateral flow immunoassay) and BT traits including Cry1Ab, Cry3Bb, and Cry34, MCry3A, and Cry1F (utilizing lateral flow immunoassay test kits).

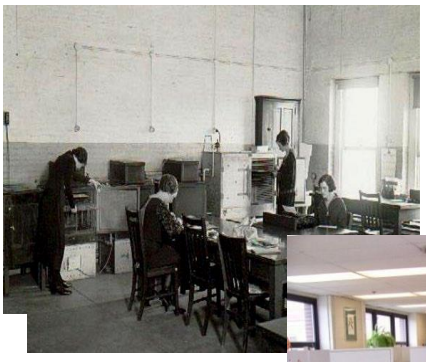
** Relabeling orders issued against seed lots classified as "minor" violations as a result of laboratory analysis*
*** Stop sale action taken against seed lots classified as "serious" violations as a result of laboratory analysis*

- ## USDA FEDERAL SEED ACT ENFORCEMENT

62 samples were sent to the Federal Lab for apparent violations of the Federal Seed Act. 9.68 percent were found to be Federal Violations with a warning letter sent and/or federal fine.

OUR PRESENCE IN INDIANA …

The Indiana Seed Commissioner was established in 1921 with the passage of House Bill No. 99 which was signed into law on February 24, 1921 to create the Indiana Seed Law, a “truth-in-labeling” law.



Seed testing facilities were established at Purdue University following passage of that first law to provide support to enforcement activities conducted under the authority of the law. Testing services were also provided for residents and consumers of the state to assess seed quality on seed purchased and grown by farmers.



Indiana State Seed Laboratory over the years

The Office of Indiana State Chemist and Seed Commissioner (OISC) is located on the campus of Purdue University and housed in the Biochemistry Building in the College of Agriculture. This proximity to faculty, researchers and extension staff in the various agricultural sciences is beneficial in providing information on new technologies constantly emerging in the regulated industries OISC comes in contact with.



Biochemistry Building
175 S. University Street, Purdue University
West Lafayette, IN 47907-206

PROFESSIONAL AFFILIATIONS…

The Office of the Indiana Seed Commissioner maintains membership in national seed organizations and associations and agreements with federal agencies.

AASCO (Association of American Seed Control Officials) The Seed Commissioner's office participates as an active member of AASCO The Association of American Seed Control Officials is an organization of seed regulatory officials from the United States and Canada. The Association was organized in 1949, from an outgrowth of regional meetings held in various parts of the United States. The members meet annually to discuss mutual concerns of seed law enforcement, to be updated on new developments in the seed industry, and to update the Recommended Uniform State Seed Law (RUSSL) which the organization developed and maintains as a "model" law for states and federal programs.

AOSA (Association of Official Seed Analysts, Inc.) The State Seed Laboratory is a member of the Association of Official Seed Analysts, (AOSA) a national body responsible for development of uniform testing rules utilized in the U.S. and Canada and recognized internationally. AOSA was formed in 1908 in response to initial attempts by individual states to develop seed laws. This was the beginning of regulated seed commerce in the United States. Initial priorities included, as was defined in the constitution, an attempt to seek uniformity and accuracy in methods, results, and reports. It set as its objective an effort to perfect and make publicly known, through publication, uniform rules for seed testing. Primary functions include:

- Establish the AOSA Rules for Testing Seeds which are generally adopted by most states as the rules for testing seeds in their respective states
- Contribute to the refinement and modification of the rules and procedures for seed testing
- Ensure that testing procedures are standardized between analysts and between laboratories
- Influence and assist in enforcement of appropriate seed legislation at state and federal levels

USDA Seed Regulatory & Testing Branch - The Indiana Seed Commissioner's Office maintains Cooperative Agreement #12-25-A-3330 with the USDA Seed Regulatory and Testing Branch for mutual assistance and cooperation in regulatory matters pertaining to seed shipped into the state from out-of-state vendors. The federal agency authorizes the State Seed Commissioner to sample seed and inspect records pertaining to seed shipments made into Indiana subject to the Federal Seed Act. The Federal Seed Act, by virtue of its basic similarity to the Indiana Seed Law, supplements the State Law.

ANALYSIS & TESTING METHODS



The Indiana State Seed Laboratory is an active member of the Association of Official Seed Analysts (AOSA) and the methods used for sample preparation and analysis are those approved by the Association. Under such "Rules for Testing Seeds" a standard analysis has been developed in conjunction with the enforcement of labeling laws that furnishes information as to the composition of the seed sample and the ability of the seed to produce plants. The rules, which are routinely followed, summarize and make available the accumulated experience of seed analysts.



The laboratory also offers a service testing program available to the public. Individuals and/or companies requesting analysis information may submit samples to the laboratory for testing and specify the type of test or tests desired (purity, germination, noxious weed seed exam). In 2021, we increased our testing fees. They are $18 per sample for individual purity, germination and/or identification tests, and $36 per sample for complete tests (purity, germination, noxious weed seed exam). Detailed reports of analysis are furnished to the sender at the completion of the testing.

The laboratory also offers immunoassay strip testing for traits in soybeans, corn and alfalfa. This testing is first level testing and can show the presence or absence of these traits. It is accurate to within roughly five percent. If a more detailed test is required, we partner with a lab that conducts PCR DNA testing and can quote those tests.

APPENDIX

Table I

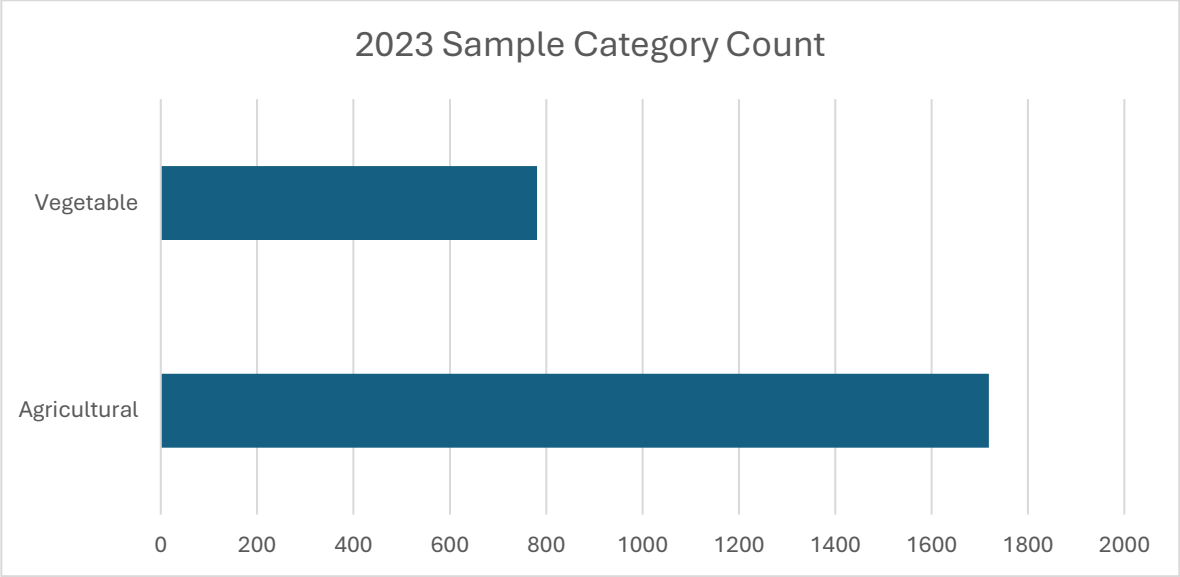


Table II

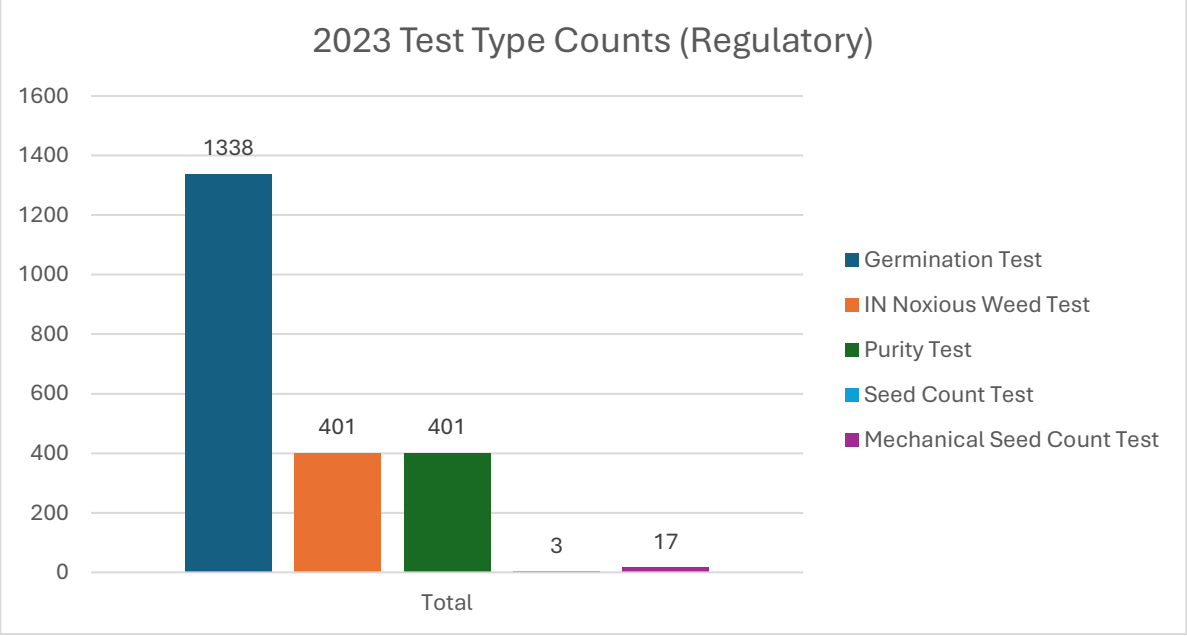


Table III

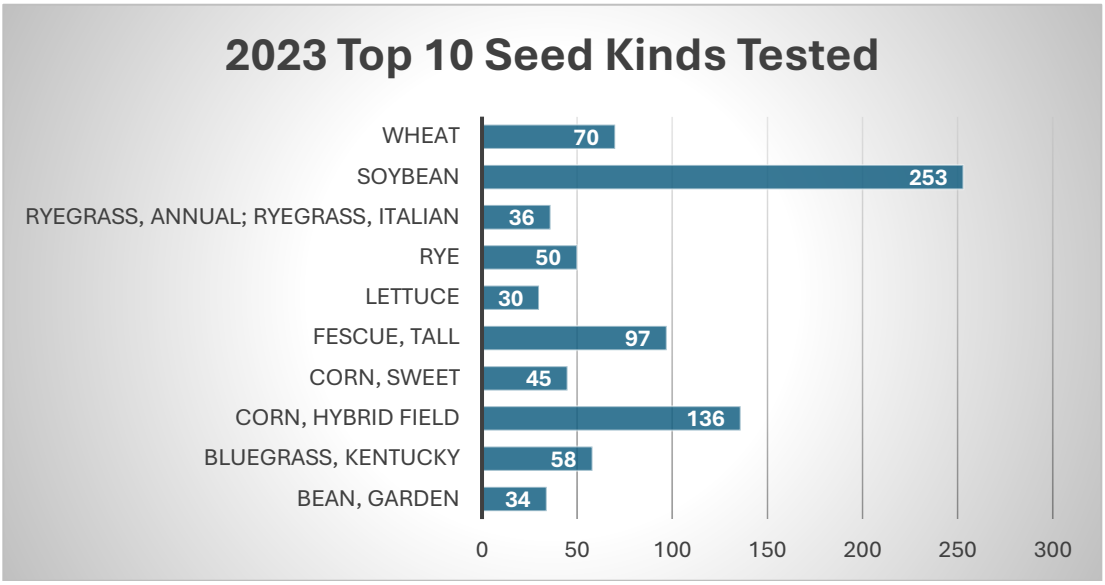


Table IV

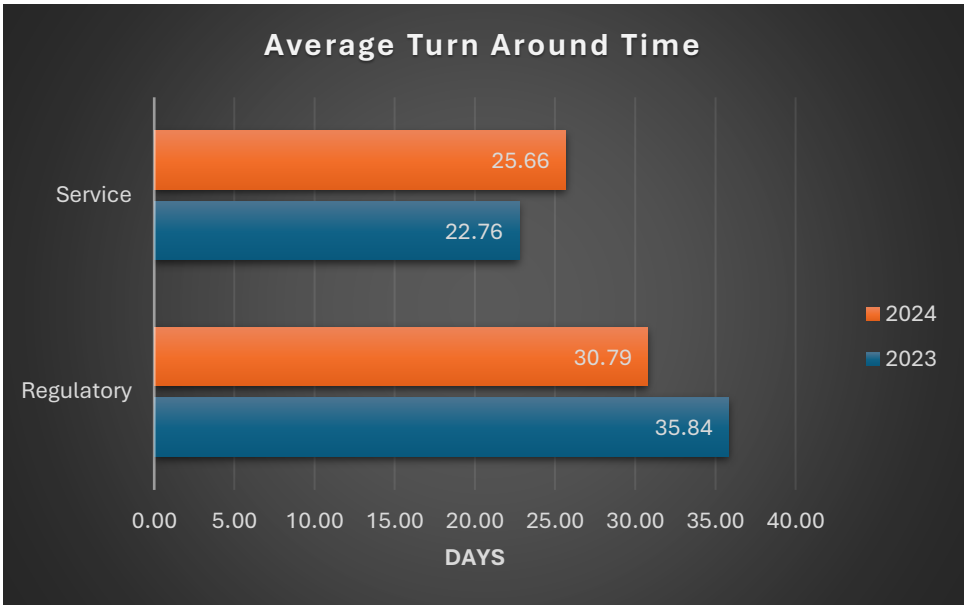


Table V

Seed Kind Tested	Vegetable Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Basil, Sweet	1	1	0	0	0	0	0.00 %
Bean, Garden	33	26	1	2	4	7	21.21 %
Bean, Lima	3	2	0	0	1	1	33.33 %
Beets	15	14	1	0	0	1	6.67 %
Broccoli	9	7	1	0	1	2	22.22 %
Brussels-Sprouts	2	2	0	0	0	0	0.00 %
Cabbage	8	8	0	0	0	0	0.00 %
Cantaloupe, Muskmelon	2	2	0	0	0	0	0.00 %
Carrot	24	23	0	0	1	1	4.17 %
Cauliflower	4	4	0	0	0	0	0.00 %
Celery and Celeriac	2	2	0	0	0	0	0.00 %
Collards	1	1	0	0	0	0	0.00 %
Corn, Sweet	34	31	2	1	0	3	8.82 %
Cucumber	8	7	1	0	0	1	12.50 %
Eggplant	1	1	0	0	0	0	0.00 %
Endive	1	1	0	0	0	0	0.00 %
Kale	9	8	0	1	0	1	11.11 %
Kohlrabi	2	2	0	0	0	0	0.00 %
Leek	1	1	0	0	0	0	0.00 %
Lettuce	28	23	2	1	2	5	17.86 %
Mustard	6	6	0	0	0	0	0.00 %
Okra	2	2	0	0	0	0	0.00 %
Onion	15	8	7	0	0	7	46.67 %
Oregano	1	1	0	0	0	0	0.00 %
Pak choi, pok choi or bok choy	3	3	0	0	0	0	0.00 %
Parsley	1	0	1	0	0	1	100.00 %
Parsnip	1	0	1	0	0	1	100.00 %
Pea, Garden	13	11	1	1	0	2	15.38 %
Pepper	7	6	1	0	0	1	14.29 %
Pumpkin	1	0	1	0	0	1	100.00 %
Radish	20	19	1	0	0	1	5.00 %

Table VI

Seed Kind Tested	Agricultural Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Alfalfa	17	11	2	2	2	6	35.29 %
Alkaligrass, Weeping	1	0	0	0	1	1	100.00 %
Barley	7	6	0	1	0	1	14.29 %
Bean, Garden	1	0	0	0	1	1	100.00 %
Beet, Sugar	2	0	1	1	0	2	100.00 %
Bentgrass, Creeping	1	1	0	0	0	0	0.00 %
Bluegrass, Kentucky	73	39	10	4	20	34	46.58 %
Brassica spp.	2	0	1	0	1	2	100.00 %
Brome, Alaska	1	1	0	0	0	0	0.00 %
Brome, Meadow	1	1	0	0	0	0	0.00 %
Camelina, Bigseed Falseflax	1	0	0	0	1	1	100.00 %
Canola	1	1	0	0	0	0	0.00 %
Chicory	4	0	1	0	3	4	100.00 %
Clover, Alsike	3	1	0	1	1	2	66.67 %
Clover, Arrowleaf	4	0	1	0	3	4	100.00 %
Clover, Balansa	3	0	1	0	2	3	100.00 %
Clover, Berseem	5	2	0	1	2	3	60.00 %
Clover, Crimson	8	2	2	0	4	6	75.00 %
Clover, Ladino and White	13	2	1	1	9	11	84.62 %
Clover, Red	17	4	2	2	9	13	76.47 %
Corn, Hybrid Field	136	124	1	10	1	12	8.82 %
Corn, Sweet	11	10	0	1	0	1	9.09 %
Fescue, Chewings	4	1	0	1	2	3	75.00 %
Fescue, Creeping Red	18	8	1	2	7	10	55.56 %
Fescue, Fine	15	10	3	0	2	5	33.33 %
Fescue, Tall	144	97	13	13	21	47	32.64 %

Seed Kind Tested	Agricultural Seeds						
	Total	CL	SV	TV	MV	#VIOL	%VIOL
Flax	1	1	0	0	0	0	0.00 %
Hemp, Sunn; Crotalaria, Sunn;	2	1	0	1	0	1	50.00 %
Kohlrabi	1	1	0	0	0	0	0.00 %
Lespedeza, Korean	1	0	0	1	0	1	100.00 %
Lettuce	2	1	1	0	0	1	50.00 %
Millet, Foxtail	1	0	0	1	0	1	100.00 %
Mustard, White	1	1	0	0	0	0	0.00 %
Oat and red oat	23	17	0	6	0	6	26.09 %
Orchardgrass	10	4	3	1	2	6	60.00 %
Pea, Field	4	2	0	2	0	2	50.00 %
Popcorn	3	2	0	1	0	1	33.33 %
Radish	11	4	2	4	1	7	63.64 %
Rape, Turnip; Rape, Bird	6	3	1	0	2	3	50.00 %
Rye	49	34	0	13	2	15	30.61 %
Ryegrass (mixes)	30	18	2	1	9	12	40.00 %
Ryegrass, Annual; Ryegrass, Italian	36	26	3	4	3	10	27.78 %
Ryegrass, Perennial	47	30	6	2	9	17	36.17 %
Sorghum spp.	1	0	0	1	0	1	100.00 %
Soybean	253	224	5	19	5	29	11.46 %
Spelt	1	1	0	0	0	0	0.00 %
Sunflower; large and small seeded	1	0	0	1	0	1	100.00 %
Sweetclover, Yellow	2	1	0	0	1	1	50.00 %
Teff	1	0	0	0	1	1	100.00 %
Timothy	8	4	1	2	1	4	50.00 %
Triticale	7	6	0	0	1	1	14.29 %
Turnip	2	0	0	2	0	2	100.00 %
Vetch, Common	1	0	0	1	0	1	100.00 %
Wheat	71	59	3	9	0	12	16.90 %
Total	**1,069**	**761**	**67**	**112**	**129**	**308**	**28.81 %**

Table VII

Vegetable Seeds Wholesale Distributors			Vegetable Seeds			
			CL	SV	TV	MV
AMERICAN SEED CORP	NORTON	MA	2	0	0	0
BACK TO THE ROOTS	OAKLAND	CA	2	1	0	0
BENTLEY SEED CO	CAMBRIDGE	NY	6	0	0	0
BERLIN SEEDS	MILLERSBURG	OH	6	0	0	0
BFG SUPPLY CO	HARRISONBURG	VA	20	1	0	0
BOTANICAL INTERESTS, INC	BROOMFIELD	CO	9	0	0	0
BURPEE GARDEN PRODUCTS	WARMINSTER	PA	45	3	0	0
CAUDILL SEED & WAREHOUSE CO, INC	GRANITE	OK	0	1	0	0
CAUDILL SEED COMPANY	MOREHEAD	KY	17	0	0	1
CORNUCOPIA SEEDS	FELTON	CA	2	0	0	0
CROP TECH SEED COMPANY	VINCENNES	IN	4	1	0	1
DE BRUYN SEED CO INC	ZEELAND	MI	4	0	1	0
E & R SEED	MONROE	IN	7	2	0	0
GREEN GARDEN PRODUCTS	NORTON	MA	35	9	2	0
HIGH MOWING ORGANIC SEEDS	WOLCOTT	VT	2	0	0	0
HOLMES SEED CO.	CANTON	OH	2	0	0	0
LAKE VALLEY SEED	BOULDER	CO	7	0	0	1
LEWIS SEED CO, INC	LOUISVILLE	KY	9	1	0	2
LIVINGSTON SEED COMPANY	NORTON	MA	31	2	0	0
OLDS GARDEN SEED	HALL	NY	20	1	4	1
RENEE'S GARDEN	FELTON	CA	2	0	0	0
ROHRER SEEDS	SMOKETOWN	PA	6	0	0	0
RUPP SEEDS INC	WAUSEON	OH	3	1	0	1
SAUDER FARM COUNTRY	ELKTON	KY	1	0	0	0
SEED SAVERS EXCHANGE	DECORAH	IA	1	0	0	0
SEEDS OF CHANGE	COMPTON	CA	1	0	0	2
THE CHARLES C. HART SEED CO	WETHERSFIELD	CT	4	1	0	0
THE PAGE SEED COMPANY	GREENE	NY	4	0	0	0
URBAN FARMER LLC	WESTFIELD	IN	2	0	0	1
		Total	**254**	**24**	**7**	**10**

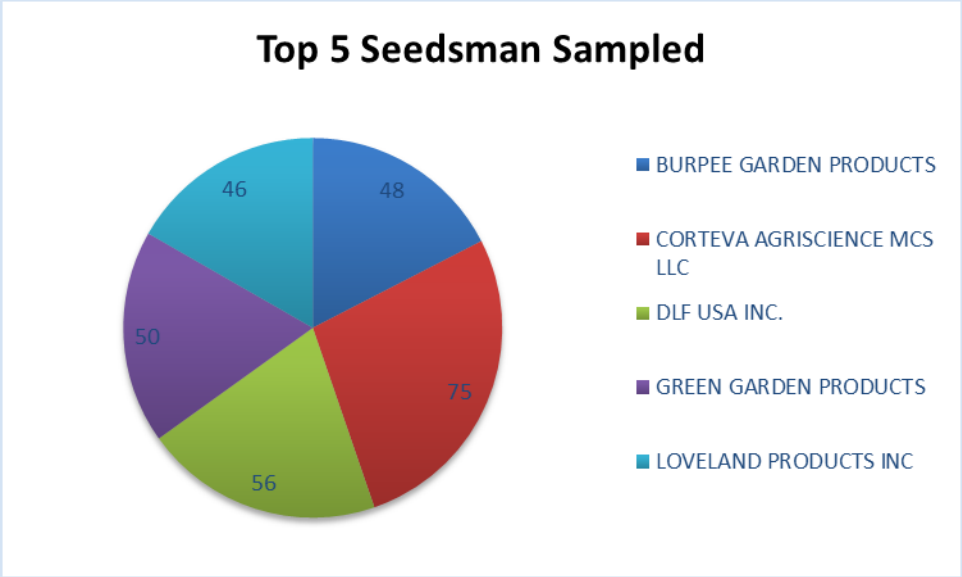
Agricultural Seeds Wholesale Distributors			Agricultural Seeds			
			CL	SV	TV	MV
1ST CHOICE SEEDS	RUSHVILLE	IN	0	0	1	0
ADVANCED TURF SOLUTIONS	FISHERS	IN	1	0	0	1
AG PLUS TURF CENTER	NEW HAVEN	IN	1	0	0	0
AGRICULTURAL ALUMNI SEED IMPROVEMENT ASSOC, INC	ROMNEY	IN	1	0	1	0
AGRIGOLD	SAINT FRANCISVILLE	IL	9	0	2	0
AGRIMAXX WHEAT COMPANY, LLC	MASCOUTAH	IL	6	0	0	0

Agricultural Seeds Wholesale Distributors			CL	SV	TV	MV
AGRISELECT EVANSVILLE, LLC	EVANSVILLE	IN	1	0	0	0
AGVENTURE, INC	JOHNSTON	IA	2	0	0	0
ALBERT LEA SEED HOUSE	ALBERT LEA	MN	1	0	1	0
ALFOREX SEEDS LLC	WOODLAND	CA	0	1	0	0
AMERICAN SEED CORP	NORTON	MA	0	1	0	0
ANI-LOGICS OUTDOORS, LLC	WORTHINGTON	MN	1	0	0	0
ARMOR SEED	JONESBORO	AR	2	0	0	0
ASGROW SEED CO	ST LOUIS	MO	31	0	0	0
BAKER SEED LLC	WEST SALEM	IL	2	0	1	0
BAMBAUER FERTILIZER & SEED	NEW KNOXVILLE	OH	2	0	1	0
BARENBRUG USA INC	TANGENT	OR	24	3	0	4
BECK'S SUPERIOR HYBRIDS, INC	ATLANTA	IN	25	0	1	0
BENSON HILL SEEDS	BONDURANT	IA	1	0	1	0
BIO-TOWN SEEDS INC	REYNOLDS	IN	2	0	1	0
BIOLOGIC LLC	WEST POINT	MS	0	1	0	0
BURRUS BROS & ASSOCIATED GROWERS	ARENZVILLE	IL	0	0	1	0
BURTCH SEED CO, INC	CELINA	OH	1	0	0	0
BYRON SEEDS LLC	STANLEY	WI	1	0	0	0
BYRON SEEDS, LLC	ROCKVILLE	IN	35	0	4	4
CAMERON T MILLS	WALTON	IN	0	0	1	0
CAUDILL SEED & WAREHOUSE CO, INC	GRANITE	OK	1	0	0	2
CAUDILL SEED COMPANY	MOREHEAD	KY	6	1	2	1
CENTRAL FARM SUPPLY OF KY, INC	LOUISVILLE	KY	1	0	2	0
CHANNEL BIO LLC	ST LOUIS	MO	19	0	0	0
COLUMBIA GRAIN INT. LLC	CLARKSTON	WA	0	0	0	1
CORTEVA AGRISCIENCE MCS LLC	JOHNSTON	IA	72	2	1	0
COVER CROP PARTNERS LLC	SHIPSHEWANA	IN	0	0	1	0
CROP TECH SEED COMPANY	VINCENNES	IN	2	1	0	0
DEKALB GENETICS CORP	ST LOUIS	MO	12	0	0	0
DENZLER SEEDS INC	MILTON	IN	8	0	2	0
DIRECT ENTERPRISES INC	WESTFIELD	IN	10	0	1	1
DISCOUNT SEEDS, INC	WATERTOWN	SD	1	0	0	0
DLF	HALSEY	OR	9	0	1	0
DLF USA INC.	LA CROSSE	WI	39	3	2	12
DOMAIN OUTDOOR LLC	HUDSON	WI	0	0	1	1
EBBERTS FIELD SEEDS INC	COVINGTON	OH	3	0	0	1
EL-PAR SEEDS	VERSAILLES	MO	0	0	1	0
EQUINOM INC.	INDIANAPOLIS	IN	1	0	0	0
FBN INPUTS, LLC	SAN CARLOS	CA	1	0	0	0
FOSTERS INC	EAST PEORIA	IL	7	0	0	5
FRENCH'S HYBRIDS INC	WAKEMAN	OH	1	0	0	0
FRONTIERSMEN INC	KENTLAND	IN	3	0	1	0

Agricultural Seeds Wholesale Distributors			CL	SV	TV	MV
GERARD SEED COMPANY	WASHINGTON	NC	1	0	0	0
GLICK SEED SERVICE	HARTSVILLE	IN	0	0	1	0
GREEN COVER SEED	BLADEN	NE	2	0	0	0
GREEN GARDEN PRODUCTS	NORTON	MA	4	0	0	0
GREEN SEED AG LLC	BERNE	IN	3	0	0	0
GROWMARK INC	BLOOMINGTON	IL	2	0	1	0
H+W TECHNOLOGIES	WEST LEBANON	IN	3	0	1	0
HARRELL'S LLC	LAKELAND	FL	1	0	0	0
HUNDLEY SEED CO	CHAMPLAIN	VA	1	0	0	0
HURT SEED CO INC	HALLS	TN	2	1	1	0
JONATHAN GREEN & SONS INC	HOWELL	NJ	5	0	0	1
LA CROSSE SEED	LA CROSSE	WI	1	0	0	0
LAKEVIEW FARMS	MIDDLETOWN	MO	2	0	0	0
LANDSCAPE SUPPLY, INC	ROANOKE	VA	1	0	0	0
LANT ENTERPRISES, INC	MACOMB	IL	0	0	1	0
LEGG SEEDS LLC	WINDFALL	IN	1	0	1	0
LESCO INC	CLEVELAND	OH	9	0	0	0
LEWIS SEED CO, INC	LOUISVILLE	KY	3	0	1	0
LG SEEDS	ELMWOOD	IL	10	1	1	0
LOVELAND PRODUCTS INC	LOVELAND	CO	42	2	1	1
M.S. TECHNOLOGIES LLC	WEST POINT	IA	25	0	0	0
MERSCHMAN SEEDS	WEST POINT	IA	2	0	1	0
MILLBORN SEEDS INC	BROOKINGS	SD	1	0	2	0
MILLER SEED FARMS LTD	ATTICA	OH	2	0	1	0
MISSOURI-SOUTHERN SEED CORP	ROLLA	MO	0	0	1	0
MOORE SEED FARM LLC	ELSIE	MI	1	0	1	0
MOUNTAIN VIEW SEEDS LTD	SALEM	OR	1	1	0	2
NORTHERN STAR SEED LLC	FRANKFORT	IN	0	0	1	0
OUTWARD AG LLC	CHICAGO	IL	2	0	0	0
PARTNERS BRAND SEED CO. LLC	HOWE	IN	5	0	0	0
PENCE GROUP	LAFAYETTE	IN	1	0	3	1
PENNINGTON SEED INC	GREENFIELD	MO	3	2	0	1
PERFORMANCE SEED	WAITE PARK	MN	2	1	0	3
PIONEER HI-BRED INTERNATIONAL INC	JOHNSTON	IA	4	0	0	0
PREFERRED ALFALFA GENETICS	STORY CITY	IA	0	0	1	0
PRO HARVEST SEEDS INC	ASHKUM	IL	1	0	2	0
PURPLE RIBBON SEEDS INC	MARSHALL	IN	10	0	1	0
RAGAN & MASSEY INC	PONCHATOULA	LA	0	0	0	2
REAL WORLD WHITETAILS, INC	ARTHUR	IL	0	1	0	0
RK HOLDINGS, LLP	MATTOON	IL	11	1	1	3
ROB-SEE-CO, LLC	ELKHORN	NE	1	0	0	0
ROSE AGRI-SEED INC.	HUBBARD	OR	4	2	0	3

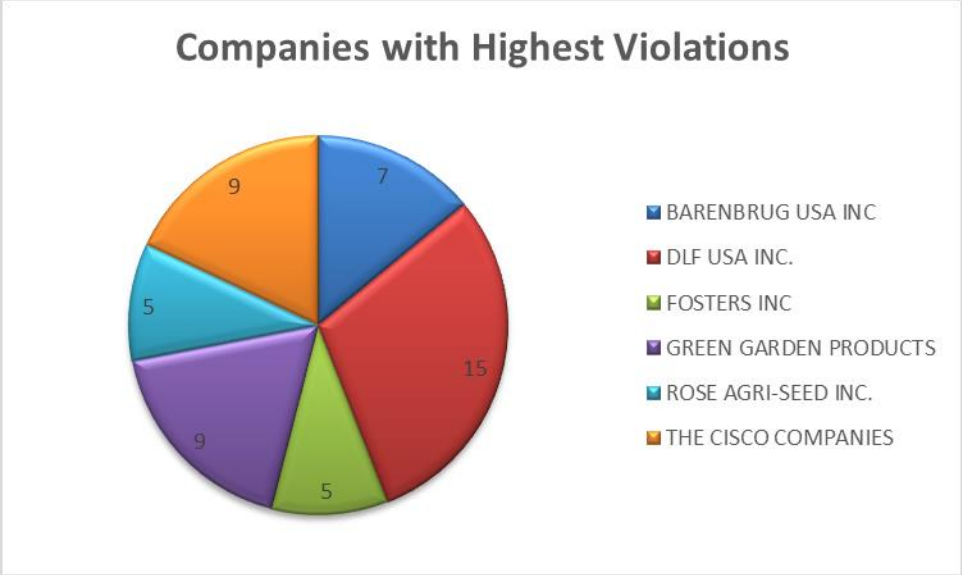
Agricultural Seeds Wholesale Distributors			Agricultural Seeds			
			CL	SV	TV	MV
RURAL KING	WAVERLY	OH	1	0	0	0
RUSH SEEDS	RUSHVILLE	IN	1	0	0	0
SADDLE BUTTE AG INC	TANGENT	OR	4	0	1	1
SCOTT PET PRODUCTS	ROCKVILLE	IN	0	0	1	2
SEED GENETICS-DIRECT LLC	JEFFERSONVILLE	OH	1	0	0	0
SPECIALTY HYBRIDS	ST. LOUIS	MO	5	0	0	0
SPECTRUM AG HOLDINGS	KENTLAND	IN	3	0	1	0
STEWART SEED CO	GREENSBURG	IN	4	0	0	0
STINE SEED COMPANY	ADEL	IA	22	2	0	0
STONE SEED CO	ST LOUIS	MO	3	0	0	0
SUNSTAR HYBRIDS	CULVER	IN	7	0	1	0
SUPERIOR AG RESOURCES CO-OP	EVANSVILLE	IN	1	0	0	0
SUPERIOR AG RESOURCES CO-OP	HUNTINGBURG	IN	3	0	1	0
SUPERIOR SEED INC	RUSHVILLE	IN	1	0	1	0
SYNGENTA SEEDS LLC	NAMPA	ID	12	0	0	1
TENBARGE SEED	HAUBSTADT	IN	5	0	1	3
THE CISCO COMPANIES	INDIANAPOLIS	IN	27	2	5	7
THE DELONG CO INC	CLINTON	WI	0	0	1	0
THE SCOTTS COMPANY	MARYSVILLE	OH	3	0	0	1
TRI-CAL SUPERIOR FORAGE LLC	BUTTE	MT	2	0	0	0
TRI-STAR SEED CO., INC.	SPRING HILL	KS	0	2	4	0
TURNER SEED INC	ANTIOCH	TN	15	1	6	2
VOID OR MISC SAMPLE OISC	WEST LAFAYETTE	IN	1	0	8	0
W. I. MILLER & SONS	FARMDALE	OH	1	0	0	0
WESTERN EXCELSIOR	EVANSVILLE	IN	1	0	0	0
WINFIELD SOLUTIONS LLC	NAMPA	ID	27	0	3	2
WYATT SEED COMPANY	PETERSBURG	IN	1	0	1	0
WYCKOFF HYBRIDS INC	VALPARAISO	IN	6	0	3	0
WYFFELS HYBRIDS INC	GENESEO	IL	0	0	1	0
YERKS SEED INC	WOODBURN	IN	0	0	1	0
		Total	**671**	**32**	**95**	**69**

Table VIII



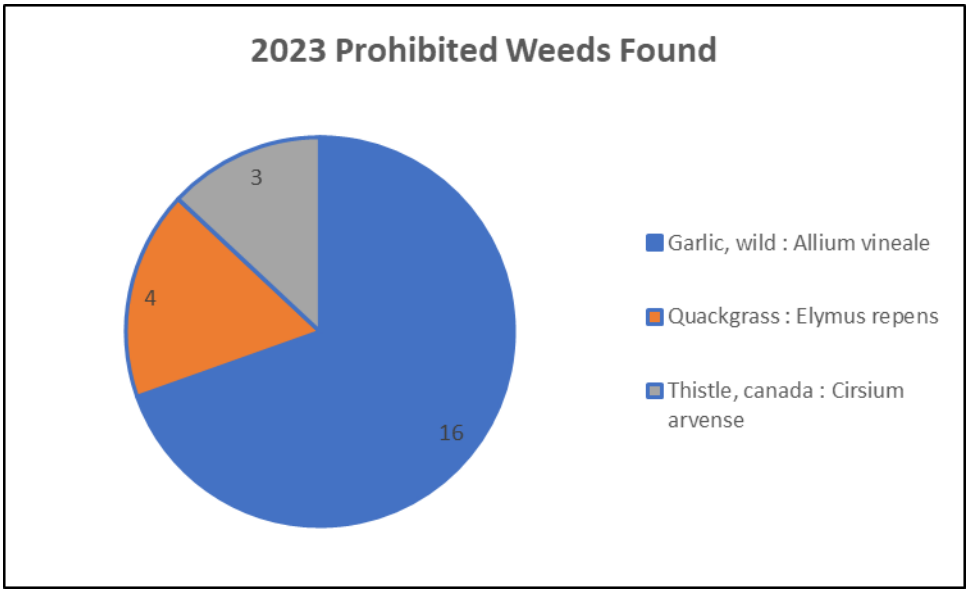
* Based on total count of samples

Table IX



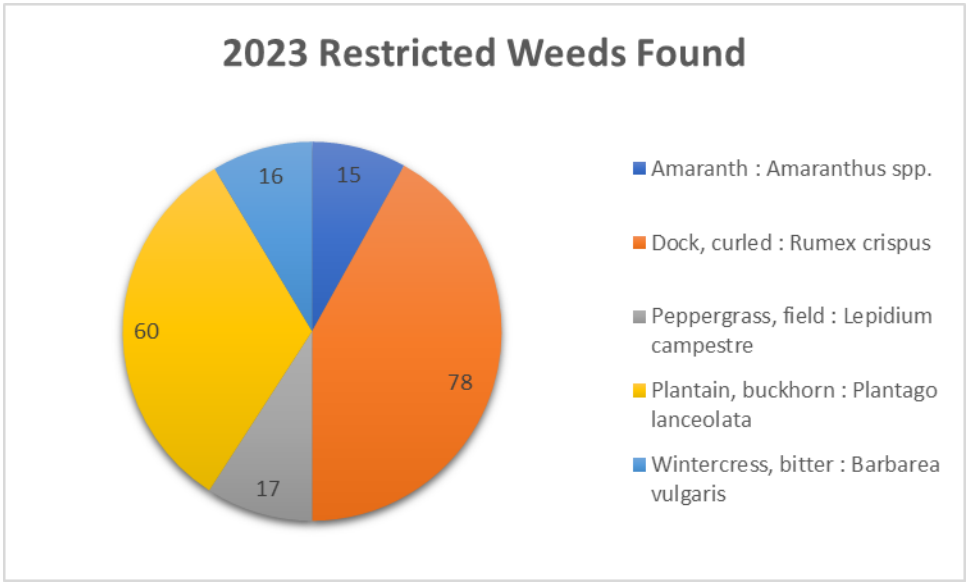
* Based on total count of violations

Table X



*Based on Indiana Noxious Weed Seed

Table XI



*Based on Indiana Noxious Weed Seed