Fatal and non-fatal accidents in agricultural food products in Japan in 1999-2022

agricultural food products industry Code No.010103

Type of accidents in agricultural food products in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height	70	56	51	51	47	56	58	55	44	51	37	52	42	35	49	34	36	31	49	52	35	46	35	40	1,112
falling to same level	104	90	117	100	107	120	110	121	116	124	124	116	101	112	113	112	92	112	131	140	123	99	119	147	2,750
crash	24	18	20	20	21	18	31	17	25	16	15	20	16	20	16	10	19	13	17	19	17	18	21	21	452
struck by flying or falling object	39	33	27	25	11	17	26	30	36	23	23	18	17	21	25	16	27	30	21	20	18	23	19	20	565
collapse	8	5	5	5	6	8	5	7	5	7	4	6	4	8	6	6	3	4	1	6	5	4	4	6	128
crashed by	15	14	24	7	17	14	20	11	16	17	10	13	12	17	17	17	16	11	14	15	14	14	17	14	356
caught in/between	173	152	174	155	141	136	144	121	109	122	113	125	114	111	102	110	85	89	106	102	84	76	79	70	2,793
cut	90	72	84	74	65	65	51	58	61	53	75	53	47	46	53	39	45	40	46	47	41	46	39	21	1,311
injury to the sole of the foot	2		2		1			1	1		1	1				1		1	1	1		1		1	15
drown											1													1	2
contact to high/low-	21	22	24	21	18	22	17	16	14	14	18	20	22	24	15	20	15	14	16	12	19	15	13	23	435

temperature																									
contact to harmful substance	2	1	4	3	3	3	4	4	5	1	5	3	3	3	3	2	4	3	3	1	3	7	2	3	75
electric shock			2	1		1									1			1		1					7
explosion								1													1				2
burst		2			1		1			3															7
fire		1										1											1		3
traffic accident (public road)	16	14	9	10	4	1	7	5	6	15	3	8	12	6	9	2	5	7	4	4	4	2	2	3	158
traffic accident (others)		1	2												1									1	5
reaction to motion/improper motion	27	40	31	30	22	29	32	30	39	37	23	24	38	38	20	30	34	28	34	37	31	26	32	26	738
others	3	1	4	1		2	1	4	3	2	2	2		2	1	2	1		3	2			11	1	48
unclassifiable										1					2							2			5
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Causal agents (large) of fatal and non-fatal accidents in agricultural food products in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine	184	162	187	152	142	132	135	130	112	110	106	123	106	115	102	96	84	96	98	80	79	81	73	56	2,741

crane, conveying machine	89	83	81	75	63	58	77	53	61	59	57	67	61	52	56	54	35	45	49	60	45	38	43	31	1,392
other equipment	94	98	103	86	82	94	83	82	100	109	94	88	90	80	91	82	93	68	77	86	84	89	85	95	2,133
temporary buildings, establishments	123	89	114	108	105	127	130	122	121	124	128	115	98	108	116	98	88	104	136	152	107	99	113	131	2,756
substance, material	30	16	24	24	18	15	16	20	19	12	22	14	16	14	13	19	14	14	16	13	16	19	10	23	417
load	43	43	36	30	34	45	40	44	41	39	24	32	31	32	29	27	39	33	35	27	34	29	30	30	827
environment	10	6	15	12	7	5	12	16	8	12	9	11	7	20	10	11	12	9	19	18	14	10	10	15	278
others	21	25	20	16	13	16	14	14	18	21	14	12	19	22	16	14	17	15	16	23	16	14	30	17	423
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Causal agents (middle) of fatal and non-fatal accidents in agricultural food products in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine	1		1																	1					3
power transmission mechanism	6	9	13	10	6	7	9	9	5		3	7	7	4		5	6	4	4	9	2	2	4	1	132
woodworking machine		2		1	2		1				1				1		1					1	2		12

construction machine				1			2			1											1				5
metal manufacturing machine	9	4	1		1	4		1	4		1	1		2	1		1			1		1			32
general machine	168	147	172	140	133	121	123	120	103	109	101	115	99	109	100	91	76	92	94	69	76	77	67	55	2,557
mobile silviculture machine																									
crane	3	4	5	6	5	7	7	3	5	1	2	3	4	1	2	6	1	2		6	3	3	5	1	85
conveying machine	73	62	68	61	54	49	63	45	47	43	54	53	46	47	45	46	33	36	45	51	37	34	37	28	1,157
vehicle	13	17	8	8	4	2	7	5	9	15	1	11	11	4	9	2	1	7	4	3	5	1	1	2	150
pressure vessel	1	1	2		2		2		3		3	1	1		1						2	2			21
chemical facilities		2																						1	3
welding equipment			1																						1
kiln, caldron	3	6	4	2	1		4		1	1	3	6	3	3	1	2	2	3			2		1	2	50
electric equipment			1	1						1			1	1	1			2	1	2			1	3	15
human power machine, tools	28	36	32	30	30	32	17	25	35	33	33	32	25	24	34	23	36	22	29	29	24	33	24	23	689
tools	39	33	43	36	40	46	43	43	37	55	36	36	43	35	38	41	35	31	35	39	40	40	33	44	941
other equipments,	23	20	20	17	9	16	17	14	24	19	19	13	17	17	16	16	20	10	12	16	16	14	26	22	413

facilities																									
temporary buildings, establishments	123	89	114	108	105	127	130	122	121	124	128	115	98	108	116	98	88	104	136	152	107	99	113	131	2,756
hazards, harmful substances	7	3	7	4	6	5	7	3	6	2	7	3	4	4	4	5	4	5	9	3	6	8	4	4	120
materials	23	13	17	20	12	10	9	17	13	10	15	11	12	10	9	14	10	9	7	10	10	11	6	19	297
load	43	43	36	30	34	45	40	44	41	39	24	32	31	32	29	27	39	33	35	27	34	29	30	30	827
natural environment	10	6	15	12	7	5	12	16	8	12	9	11	7	20	10	11	12	9	19	18	14	10	10	15	278
other causal agent	11	6	8	4	2	9	7	5	6	7	6	3	5	7	4	4	7	2	4	8	2	2	13	6	138
no causal agent	8	19	12	11	10	7	7	9	12	14	8	9	14	14	9	9	10	12	12	14	14	11	17	11	273
unclassifiable	2			1	1									1	3	1		1		1		1			12
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Causal agents (small) of fatal and non-fatal accidents in agricultural food products in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine			1																	1					2
power transmission mechanism			13		6		9	9	5		3	7	7	4		5	6	4	4	9	2	2	4	1	100
circular sawing					1																	1	1		3

machine																									
band sawing machine															1										1
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw					1																		1		2
other woodworking machines							1				1						1								3
leveling, transporting or loading machine							1														1				2
excavating machine							1																		1
foundation work machine																									
hardening machine																									
demolition machine																									

vehicle for high lift work																									
other construction machines										1															1
lathe																									
drill press, milling machine									1																1
grinding machine, buffing machine					1				1					2	1										5
power press																						1			1
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines			1					1	2		1	1					1			1					8
centrifugal machine							1	1	1		1		1	2							2				9
mixer, grinder			4		8		4	2		4	1	4	3	5	1		3	3	3			3	1	4	53
roll machine (except printingroll machine)			1		3			2		3	4	5		2	2	1	3		5	2	1	2	1	2	39
injection molding																									

machine																									
food manufacturing machine			121		87		71	73	67	62	62	69	59	66	55	52	41	61	53	39	47	49	37	32	1,203
printing machine										1									1					1	3
industrial robot			1													1			1			1			4
other general power machines			45		35		47	42	35	39	33	37	36	34	42	37	29	28	31	28	26	22	28	16	670
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane			2		3		5	3	2	1	1	1	3	1	1	3		1		5	3	2	4	1	42
mobile crane			1		1						1														3
derrick crane																									
elevator, lift			2				1		3			1	1		1	2	1	1		1		1	1		16
cargo lifting appliance																									
gondola												1													1

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane					1		1									1									3
truck			12		5		11	5	5	9	9	5	7	9	8	4	9	2	4	6	7	6	7	3	133
forklift			21		20		17	21	16	10	16	19	11	15	20	22	9	17	21	21	11	14	18	6	325
railway equipment																									
conveyor			34		29		31	19	25	21	29	29	27	22	15	19	15	15	20	24	15	14	11	17	431
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines			1				4		1	3			1	1	2	1		2			4		1	2	23
cars, bus, motorcycle			8		4		7	5	7	15	1	10	11	4	9	2	1	7	4	3	4	1	1	2	106
railway vehicle																					1				1
other vehicles									2			1													3
boiler			1				1					1	1									1			5
pressure vessel			1		1		1		3		3										1	1			11

other pressure vessels					1										1						1				3
chemical facilities																								1	1
gas welding equipment																									
arc welding equipment			1																						1
other welding equipment																									
kiln, caldron			2				3			1	2	4	3	3	1		2	2			2		1	1	27
industrial dryer			1								1					2								1	5
other kiln, caldron			1		1		1		1			2						1							7
transmission										1								1	1	2			1	2	8
electric power facilities			1																						1
other electrical equipment													1	1	1			1						1	5
human power cranes																		1				3	3	6	13
human power hauling equipment			12		9		4	10	18	16	10	14	11	14	13	9	16	12	11	12	16	13	12	8	240
human power								1	1		1				1	2			2	1			1		10

machine																									
hand tool			20		21		13	14	16	17	22	18	14	10	20	12	20	9	16	16	8	17	8	9	300
ladder			20		21		11	17	7	12	12	18	15	11	18	13	10	8	11	8	9	14	10	14	259
slinging tool			2				1	1					1	1			1	1		1				1	10
other tools			21		19		31	25	30	43	24	18	27	23	20	28	24	22	24	30	31	26	23	29	518
other equipment, facilities			20		9		17	14	24	19	19	13	17	17	16	16	20	10	12	16	16	14	26	22	337
scaffolding								1									1		2	1					5
timbering																									
stairs, landing stage			12		13		24	12	20	13	13	17	7	12	10	10	10	10	19	20	16	12	9	13	272
opening			2		2		3	1	1	1				1	2		1	3	3	2	1	1		3	27
roof, beam, haze, crossbeam, principal rafter							2	3	2		1	2	2	1			3	1		3	1	1	1	2	25
working platform, boot board			30		16		28	26	21	24	28	24	19	16	23	24	18	20	18	24	22	18	21	26	446
passage			54		51		48	55	54	52	67	55	51	54	64	52	35	47	74	69	55	51	59	65	1,112
building, establishment			12		13		17	17	18	24	12	9	12	14	10	7	17	16	17	22	8	9	9	14	277
other temporary buildings, establishments			4		10		8	7	5	10	7	8	7	10	7	5	3	7	3	11	4	7	14	8	145

explosive substance							1																		1
inflammable substance												1		1							1				3
inflammable gas																									
harmful substance			3		1			1	3	1	2	1	2	1	1	2	1	1	2		2	5		2	31
radiation																									
other hazards, harmful substances			4		5		6	2	3	1	5	1	2	2	3	3	3	4	7	3	3	3	4	2	66
metal material			9		6		2	5	7	1	6	4		3	3	10	4	1	1	2	2	3	3	4	76
lumber, bamboo			1		2			1	1		1	1	4	1	2				1	2	2	2		4	25
stone, sand, substance			1				2	4		2	3					1	2	2	3	2		1	1	2	26
other materials			6		4		5	7	5	7	5	6	8	6	4	3	4	6	2	4	6	5	2	9	104
load			35		33		36	40	41	39	24	30	31	32	27	26	38	31	31	25	32	27	30	30	638
machine/equipment as load			1		1		4	4				2			2	1	1	2	4	2	2	2			28
natural ground, rock							1	3	1	1		3	1	1	1		1	1	1					1	16
standing tree			1							1	1	1				1			1	1			1		8
water					2			3	1	1		1	1	1	2	1					1	1			15
abnormal environment														1											1

high/cold temperature environment			7		1		2	4	1	6	3	3	2	2	4	4	4	1	5	6	8	6	2	3	74
other environments			7		4		9	6	5	3	5	3	3	15	3	5	7	7	12	11	5	3	7	11	131
other causal agent			8		2		7	5	6	7	6	3	5	7	4	4	7	2	4	8	2	2	13	6	108
no causal agent			12		10		7	9	12	14	8	9	14	14	9	9	10	12	12	14	14	11	17	11	228
unclassifiable					1									1	3	1		1		1		1			9
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Workers age of fatal and non-fatal accidents in agricultural food products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	15	9	11	9	9	16	11	9	7	4	9	8	10	12	16	4	14	5	3	6	6	5	4	4	206
20-29	56	88	68	64	47	53	46	63	54	48	48	49	51	44	43	52	47	39	54	46	37	39	48	44	1,228
30-39	67	67	78	84	57	68	64	62	65	69	62	60	60	80	57	55	52	37	53	52	54	60	55	50	1,468
40-49	139	106	107	99	99	90	107	79	81	91	92	76	64	67	88	83	65	74	81	93	67	64	84	67	2,063
50-59	186	163	213	164	157	158	189	178	168	158	141	152	126	128	115	112	97	111	128	122	104	104	85	104	3,363
60 years old or more	131	89	103	83	95	107	90	90	105	116	102	117	117	112	114	95	107	118	127	140	127	107	118	129	2,639
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Workers' number of workplace of fatal and non-fatal accidents in agricultural food products in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	86	69	104	57	53	64	45	39	57	40	44	46	29	33	34	37	26	26	29	28	20	21	27	21	1,035
10-29	132	131	156	132	98	127	114	105	87	110	103	78	87	92	88	78	68	79	86	99	57	90	80	86	2,363
30-49	142	106	125	97	107	97	102	99	107	99	99	105	96	110	90	77	79	91	99	86	71	74	79	65	2,302
50-99	131	113	108	120	111	106	114	139	111	123	100	125	108	100	120	122	95	100	116	118	110	92	87	109	2,678
100-299	93	94	77	87	83	89	102	90	106	102	97	80	95	88	82	76	105	85	105	109	119	92	112	99	2,267
300 workers or more	10	9	10	10	12	9	30	9	12	12	11	28	13	20	19	11	9	3	11	19	18	10	9	18	322
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Month of fatal and non-fatal accidents in agricultural food products in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	57	37	38	42	32	36	35	44	38	37	42	35	41	44	44	34	33	32	37	54	34	28	27	49	930
February	40	39	44	40	42	28	36	41	33	47	38	36	31	46	31	33	27	39	31	38	36	29	34	29	868
March	61	30	56	35	40	57	43	38	49	37	25	49	33	31	34	30	40	29	41	34	32	26	28	27	905
April	35	44	48	44	34	39	43	35	28	40	29	44	35	29	39	38	37	29	35	33	32	35	29	23	857
May	58	39	42	39	30	33	44	49	47	43	41	25	31	33	37	29	27	32	40	27	21	34	44	24	869
June	52	43	49	40	35	47	37	39	35	37	36	34	42	42	29	28	37	21	35	39	29	29	32	45	892
July	52	56	51	32	44	31	53	48	41	37	31	36	32	27	34	39	39	29	32	42	30	31	35	36	918

August	46	48	39	42	38	34	46	44	43	35	47	35	32	40	26	29	28	41	40	38	28	39	35	30	903
September	51	53	50	33	39	45	36	36	33	43	38	45	43	32	34	47	24	22	36	40	39	33	19	33	904
October	45	48	52	59	41	48	56	46	38	39	40	51	35	28	33	27	25	35	32	43	41	32	34	36	964
November	48	45	68	45	47	50	34	35	52	36	40	34	31	44	36	30	37	37	41	40	38	25	32	27	952
December	49	40	43	52	42	44	44	26	43	55	47	38	42	47	56	37	28	38	46	31	35	38	45	39	1,005
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Prefecture of fatal and non-fatal accidents in agricultural food products in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	77	54	69		52		89	64	62	51	56	45	57	41	43	48	54	40	54	61	57	50	36	37	1,197
Aomori	4	1	2		6		4	6	2	4	7	8	3	13	7	7	7	10	7	7	11	9	12	8	145
Iwate	3	9	8		3		6	5	5	20	6	4	12	8	6	6	1	7	7	10	8	3	5	9	151
Miyagi	13	12	9		5		3	7	9	5	7	8	2	2	2	4	5	6	3	11	4	7	7	9	140
Akita	6	4	1		3		4	5		1	5	2	4	2	1	4	3	4	2	5	2	4	4	3	69
Yamagata	17	18	34		15		21	23	27	20	19	25	24	28	18	15	10	15	16	24	19	13	15	21	437
Fukushima	19	17	22		11		7	24	11	11	9	8	11	8	13	12	8	5	7	6	10	2	9	14	244
Ibaraki	20	11	8		10		11	11	9	10	12	6	13	15	12	13	14	15	16	13	12	13	17	19	280
Tochigi	10	8	8		6		3	6	2	11	5	10	6	17	9	7	10	9	10	12	7	5	5	9	175
Gunma	26	13	20		34		21	15	14	19	35	15	13	12	13	12	10	8	12	9	9	16	6	10	342
Saitama	14	8	11		25		19	10	19	22	11	16	17	12	10	15	17	18	11	6	10	13	11	18	313

Chiba	4	4	12		3		1	6	6	7	6	9	5	4	6	4	8	4	14	6	8	2	5	3	127
Tokyo	7	13	3		5		9	5	5	6	2	5	2	5	5	2	3	7	6	2	6	7	6	3	114
Kanagawa	7	10	10		7		8	7	10	4	8	6	6	6	13	4	7	5	6	5	3	3	8	10	153
Niigata	12	13	13		11		9	10	10	11	5	17	12	13	13	9	7	10	9	7	12	6	7	10	226
Toyama	2	2	2		1		2		3	1		3	1	2	5	4	2			1		2	1	3	37
Ishikawa	1		2		2				1	1	1	1		1		1				2	2	1		1	17
Fukui	2	2	1		5		2		2			2	1	1	1	3	1	1		3	2		1	1	31
Yamanashi	7	2	4		6		4	6	5	3	4	4	5	3	4	4	2	3	4	4		1	1	1	77
Nagano	45	28	24		15		29	30	28	25	23	24	24	20	22	22	19	9	16	24	25	22	25	25	524
Gifu	8	10	11		9		9	6	7	11	11	8	9	11	7	5	5	7	6	14	8	11	8	5	186
Shizuoka	36	43	45		7		9	5	14	8	9	7	4	12	4	8	7	6	10	8	11	6	11	15	285
Aichi	26	24	25		15		26	15	11	17	12	17	9	11	11	18	8	17	18	13	12	12	11	6	334
Mie	12	10	14		3		9	8	12	6	5	8	12	4	10	4	5	6	5	3	10	9	1	1	157
Shiga	11	4	2		3		4	4	2	7	6	2	5	3	2	5	7	1	3	3		1	4	2	81
Kyoto	9	8	8		3		14	18	12	12	10	12	12	17	11	9	10	5	11	12	8	6	5	4	216
Osaka	14	11	14		15		11	9	9	14	11	11	13	6	8	3	7	5	3	5	4	2	5	2	182
Hyogo	7	9	3		19		10	8	14	9	12	7	6	6	13	5	9	11	11	9	16	10	12	10	216
Nara	7	6	11		1		3	5	9	1	1	2	1	1		3	1	1	4	4	4			3	68
Wakayama	28	32	25		23		23	23	25	27	22	25	20	17	29	22	19	18	25	23	12	15	23	16	492
Tottori	5	3	1		2		2	4		2	2	3	2	1	2		1	1	1	1	2			1	36
Shimane	1	5	2		2				1		1		2				2		4	3	2				25

Okayama	8	4	5		3		10	1	2	2	2	2	1	2	2		1	7	2	3		3	1	2	63
Hiroshima	9	7	2		8		15	11	5	10	5	3	5	10	10	8	11	15	18	12	7	8	9	5	193
Yamaguchi	6	3	6		4		5	5		1	4	1	2	1	3	3	2	1	2	1	1	1		1	53
Tokushima	27	13	13		11		6	12	5	9	10	8	16	8	15	17	7	9	11	10	6	6	6	9	234
Kagawa	5	8	1		1		4	5	4	3	5	4	3	1	4	4	2	3	5	5		1	2	1	71
Ehime	5	7	12		12		11	5	8	15	6	9	11	10	3	12	5	7	4	7	9	6	4	5	173
Kochi	12	6	4		3		7	9	4	9	10	16	8	12	7	1	6	3	2	10	8	4	5	8	154
Fukuoka	9	21	16		25		18	10	14	13	12	21	16	23	9	17	15	16	19	16	13	8	19	14	344
Saga	4	5	3		9		10	10	19	10	3	4	4	6	4	3	4	6	7	5	6	6	8	8	144
Nagasaki	4	5	5		7		4	8	7	2	10	7	2	5	4	4	4	3	5	5	7	7	12	5	122
Kumamoto	12	9	16		11		11	9	7	9	13	10	4	12	7	6	5	7	13	15	7	14	14	6	217
Oita	15	8	12		4		6	13	13	19	6	5	6	7	12	9	4	5	7	12	6	9	6	7	191
Miyazaki	8	18	36		15		16	19	17	18	17	19	16	24	26	23	31	20	19	27	12	29	23	25	458
Kagoshima	10	11	19		22		10	19	29	19	27	31	21	20	24	15	16	26	31	15	17	26	24	22	454
Okinawa		3	6		2		2			1	1	2			3	1		2						1	24
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	398	10,967

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

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Fatal accidents in agricultural food products in Japan in 1999-2022

agricultural food products industry Code No.010103

Type of fatal accidents in agricultural food products in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height						1	1		1				1			1		2		1					8
falling to same level																	1								1
crash																									
struck by flying or falling object										1				1											2
collapse																									
crashed by																1			1						2
caught in/between	1	1		1					2			4		1					3						13
cut																									
injury to the sole of the foot																									
drown											1													1	2

contact to high/low-temperature																	1								1
contact to harmful substance														1					1						2
electric shock			1																						1
explosion																									
burst																									
fire																									
traffic accident (public road)	1	3			1			1						1											7
traffic accident (others)																									
reaction to motion/improper motion																									
others																									
unclassifiable																									
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Causal agents (large) of fatal accidents in agricultural food products in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total

machine		1	1				1		1			2				1			3	1					11
crane, conveying machine	2	3		1	1			1	1			2	1	3			1	1	1						18
other equipment						1			1								1								3
temporary buildings, establishments											1							1						1	3
substance, material																			1						1
load										1															1
environment														1		1									2
others																									
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Causal agents (middle) of fatal accidents in agricultural food products in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism									1																1
woodworking machine																									
construction machine																									

metal manufacturing machine																									
general machine		1	1				1					2				1			3	1					10
mobile silviculture machine																									
crane												1													1
conveying machine	2			1	1				1			1	1	2			1	1	1						12
vehicle		3						1						1											5
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																									
tools						1			1																2
other equipments, facilities																	1								1
temporary buildings, establishments											1							1						1	3
hazards, harmful substances																			1						1

materials																									
load										1															1
natural environment														1		1									2
other causal agent																									
no causal agent																									
unclassifiable																									
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Causal agents (small) of fatal accidents in agricultural food products in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism									1																1
circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									

chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									
demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine																									
grinding machine,																									

buffing machine																									
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines																									
centrifugal machine																									
mixer, grinder												1													1
roll machine (except printingroll machine)																									
injection molding machine																									
food manufacturing machine							1					1							2						4
printing machine																									
industrial robot																									
other general power machines		1	1													1			1	1					5
felling machine																									
mobile logging																									

machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift												1													1
cargo lifting appliance																									
gondola																									
lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck	1				1									1											3
forklift	1			1					1					1			1	1	1						7
railway equipment																									
conveyor												1	1												2

loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle		3						1						1											5
railway vehicle																									
other vehicles																									
boiler																									
pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									

transmission																									
electric power facilities																									
other electrical equipment																									
human power cranes																									
human power hauling equipment																									
human power machine																									
hand tool																									
ladder						1			1																2
slinging tool																									
other tools																									
other equipment, facilities																	1								1
scaffolding																									
timbering																									
stairs, landing stage																									
opening																								1	1
roof, beam, haze,																									

crossbeam, principal rafter																		1							1
working platform, boot board																									
passage																									
building, establishment											1														1
other temporary buildings, establishments																									
explosive substance																									
inflammable substance																									
inflammable gas																									
harmful substance																									
radiation																									
other hazards, harmful substances																			1						1
metal material																									
lumber, bamboo																									
stone, sand, substance																									

other materials																									
load										1															1
machine/equipment as load																									
natural ground, rock																									
standing tree																1									1
water																									
abnormal environment														1											1
high/cold temperature environment																									
other environments																									
other causal agent																									
no causal agent																									
unclassifiable																									
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Workers age of fatal accidents in agricultural food products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less																	1								1

20-29			1				1																		2
30-39												1		1					1						3
40-49	1	2		1				1	1							1	1	1	2						11
50-59	1	2				1			1			3		2					1						11
60 years old or more					1				1	1	1		1	1		1		1	1	1				1	11
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Workers' number of workplace of fatal accidents in agricultural food products in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	1	1							2					1		2									7
10-29		2			1				1	1		1							1					1	8
30-49		1	1								1	2	1	2			1	1	1						11
50-99						1	1							1				1							4
100-299				1				1				1					1		3	1					8
300 workers or more	1																								1
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Month of fatal accidents in agricultural food products in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January								1									1								2

February									1					1			1								3
March	1			1		1			1			1							1						6
April										1						1		1	1						4
May			1										1					1	1						4
June	1	1														1									3
July		1							1		1	2							1						6
August														1						1					2
September					1																				1
October		1					1																	1	3
November		1												1					1						3
December												1		1											2
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Prefecture of fatal accidents in agricultural food products in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido		1		1														1		1					4
Aomori																									
Iwate	1																								1
Miyagi																									
Akita																									

Yamagata																									
Fukushima		1						1																	2
Ibaraki																									
Tochigi										1							1								2
Gunma									1		1					1			1						4
Saitama																									
Chiba									1										1						2
Tokyo																									
Kanagawa																			1						1
Niigata					1																				1
Toyama																									
Ishikawa																									
Fukui																									
Yamanashi			1																						1
Nagano																			1						1
Gifu														1											1
Shizuoka																			1					1	2
Aichi												1													1
Mie						1												1							2
Shiga																									
Kyoto													1												1

Osaka																									
Hyogo							1					1													2
Nara																									
Wakayama	1													1											2
Tottori																									
Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi																									
Tokushima		1										1													2
Kagawa																									
Ehime																									
Kochi																									
Fukuoka																	1								1
Saga																									
Nagasaki																									
Kumamoto																									
Oita														2											2
Miyazaki		1																							1
Kagoshima									1			1				1									3
Okinawa																									

total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				1	39

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

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