

Fatal and non-fatal accidents in agricultural food products in Japan in 1999-2021

agricultural food products industry Code No.010103

Type of accidents in agricultural food products in 1999-2021

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	total	Type of accidents
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	1,072	fall from height
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	2,603	falling to same level
crash	24	18	20	20	21	18	31	17	25	16	15	20	16	20	16	10	19	13	17	19	17	18	21	431	crash
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	545	struck by flying or falling object
collapse	8	5	5	5	6	8	5	7	5	7	4	6	4	8	6	6	3	4	1	6	5	4	4	122	collapse
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	342	crashed by
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	2,723	caught in/between
cut	90	72	84	74	65	65	51	58	61	53	75	53	47	46	53	39	45	40	46	47	41	46	39	1,290	cut
injury to the sole of the foot	2		2		1			1	1		1	1				1		1	1	1		1		14	injury to the sole of the foot
drown											1													1	drown
contact to high/low-temperature	21	22	24	21	18	22	17	16	14	14	18	20	22	24	15	20	15	14	16	12	19	15	13	412	contact to high/low-temperature

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

machine																									machine
food manufacturing machine			121		87		71	73	67	62	62	69	59	66	55	52	41	61	53	39	47	49	37	1,171	food manufacturing machine
printing machine										1								1						2	printing machine
industrial robot			1												1			1			1			4	industrial robot
other general power machines			45		35		47	42	35	39	33	37	36	34	42	37	29	28	31	28	26	22	28	654	other general power machines
felling machine																									felling machine
mobile logging machine																									mobile logging machine
skyline yarding machine																									skyline yarding machine
other mobile silviculture machine																									other mobile silviculture machine
crane			2		3		5	3	2	1	1	1	3	1	1	3		1		5	3	2	4	41	crane
mobile crane			1		1						1													3	mobile crane
derrick crane																									derrick crane
elevator, lift			2				1		3			1	1		1	2	1	1		1		1	1	16	elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola											1													1	gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

facilities			20		9		17	14	24	19	19	13	17	17	16	16	20	10	12	16	16	14	26	315	facilities
scaffolding								1									1		2	1				5	scaffolding
timbering																									timbering
stairs, landing stage			12		13		24	12	20	13	13	17	7	12	10	10	10	10	19	20	16	12	9	259	stairs, landing stage
opening			2		2		3	1	1	1				1	2		1	3	3	2	1	1		24	opening
roof, beam, haze, crossbeam, principal rafter							2	3	2		1	2	2	1			3	1		3	1	1	1	23	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			30		16		28	26	21	24	28	24	19	16	23	24	18	20	18	24	22	18	21	420	working platform, boot board
passage			54		51		48	55	54	52	67	55	51	54	64	52	35	47	74	69	55	51	59	1,047	passage
building, establishment			12		13		17	17	18	24	12	9	12	14	10	7	17	16	17	22	8	9	9	263	building, establishment
other temporary buildings, establishments			4		10		8	7	5	10	7	8	7	10	7	5	3	7	3	11	4	7	14	137	other temporary buildings, establishments
explosive substance							1																	1	explosive substance
inflammable substance												1		1							1			3	inflammable substance
inflammable gas																									inflammable gas
harmful substance			3		1			1	3	1	2	1	2	1	1	2	1	1	2		2	5		29	harmful substance
radiation																									radiation
other hazards, harmful substances			4		5		6	2	3	1	5	1	2	2	3	3	3	4	7	3	3	3	4	64	other hazards, harmful substances

metal material			9		6		2	5	7	1	6	4		3	3	10	4	1	1	2	2	3	3	72	metal material
lumber, bamboo			1		2			1	1		1	1	4	1	2				1	2	2	2		21	lumber, bamboo
stone, sand, substance			1				2	4		2	3					1	2	2	3	2		1	1	24	stone, sand, substance
other materials			6		4		5	7	5	7	5	6	8	6	4	3	4	6	2	4	6	5	2	95	other materials
load			35		33		36	40	41	39	24	30	31	32	27	26	38	31	31	25	32	27	30	608	load
machine/equipment as load			1		1		4	4				2			2	1	1	2	4	2	2	2		28	machine/equipment as load
natural ground, rock							1	3	1	1		3	1	1	1		1	1	1					15	natural ground, rock
standing tree			1							1	1	1				1			1	1			1	8	standing tree
water					2			3	1	1		1	1	1	2	1					1	1		15	water
abnormal environment														1										1	abnormal environment
high/cold temperature environment			7		1		2	4	1	6	3	3	2	2	4	4	4	1	5	6	8	6	2	71	high/cold temperature environment
other environments			7		4		9	6	5	3	5	3	3	15	3	5	7	7	12	11	5	3	7	120	other environments
other causal agent			8		2		7	5	6	7	6	3	5	7	4	4	7	2	4	8	2	2	13	102	other causal agent
no causal agent			12		10		7	9	12	14	8	9	14	14	9	9	10	12	12	14	14	11	17	217	no causal agent
unclassifiable					1									1	3	1		1		1		1		9	unclassifiable
total			580		464		507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	8,458	total

Workers age of fatal and non-fatal accidents in agricultural food products in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
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	202	19 years old or less
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	1,184	20-29
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	1,418	30-39
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	1,996	40-49
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	3,259	50-59
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	2,510	60 years old or more
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	10,569	total

Workers' number of workplace of fatal and non-fatal accidents in agricultural food products in 1999-2021

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	total	Workers scale
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	1,014	9 workers or less
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	2,277	10-29
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	2,237	30-49
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	2,569	50-99
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	2,168	100-299
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	304	300 workers or more
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	10,569	total

Month of fatal and non-fatal accidents in agricultural food products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	57	37	38	42	32	36	35	44	38	37	42	35	41	44	44	34	33	32	37	54	34	28	27	881	January
February	40	39	44	40	42	28	36	41	33	47	38	36	31	46	31	33	27	39	31	38	36	29	34	839	February
March	61	30	56	35	40	57	43	38	49	37	25	49	33	31	34	30	40	29	41	34	32	26	28	878	March
April	35	44	48	44	34	39	43	35	28	40	29	44	35	29	39	38	37	29	35	33	32	35	29	834	April
May	58	39	42	39	30	33	44	49	47	43	41	25	31	33	37	29	27	32	40	27	21	34	44	845	May
June	52	43	49	40	35	47	37	39	35	37	36	34	42	42	29	28	37	21	35	39	29	29	32	847	June
July	52	56	51	32	44	31	53	48	41	37	31	36	32	27	34	39	39	29	32	42	30	31	35	882	July
August	46	48	39	42	38	34	46	44	43	35	47	35	32	40	26	29	28	41	40	38	28	39	35	873	August
September	51	53	50	33	39	45	36	36	33	43	38	45	43	32	34	47	24	22	36	40	39	33	19	871	September
October	45	48	52	59	41	48	56	46	38	39	40	51	35	28	33	27	25	35	32	43	41	32	34	928	October
November	48	45	68	45	47	50	34	35	52	36	40	34	31	44	36	30	37	37	41	40	38	25	32	925	November
December	49	40	43	52	42	44	44	26	43	55	47	38	42	47	56	37	28	38	46	31	35	38	45	966	December
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	10,569	total

Prefecture of fatal and non-fatal accidents in agricultural food products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	77	54	69		52		89	64	62	51	56	45	57	41	43	48	54	40	54	61	57	50	36	1,160	Hokkaido
Aomori	4	1	2		6		4	6	2	4	7	8	3	13	7	7	7	10	7	7	11	9	12	137	Aomori

Iwate	3	9	8		3		6	5	5	20	6	4	12	8	6	6	1	7	7	10	8	3	5	142	Iwate
Miyagi	13	12	9		5		3	7	9	5	7	8	2	2	2	4	5	6	3	11	4	7	7	131	Miyagi
Akita	6	4	1		3		4	5		1	5	2	4	2	1	4	3	4	2	5	2	4	4	66	Akita
Yamagata	17	18	34		15		21	23	27	20	19	25	24	28	18	15	10	15	16	24	19	13	15	416	Yamagata
Fukushima	19	17	22		11		7	24	11	11	9	8	11	8	13	12	8	5	7	6	10	2	9	230	Fukushima
Ibaraki	20	11	8		10		11	11	9	10	12	6	13	15	12	13	14	15	16	13	12	13	17	261	Ibaraki
Tochigi	10	8	8		6		3	6	2	11	5	10	6	17	9	7	10	9	10	12	7	5	5	166	Tochigi
Gunma	26	13	20		34		21	15	14	19	35	15	13	12	13	12	10	8	12	9	9	16	6	332	Gunma
Saitama	14	8	11		25		19	10	19	22	11	16	17	12	10	15	17	18	11	6	10	13	11	295	Saitama
Chiba	4	4	12		3		1	6	6	7	6	9	5	4	6	4	8	4	14	6	8	2	5	124	Chiba
Tokyo	7	13	3		5		9	5	5	6	2	5	2	5	5	2	3	7	6	2	6	7	6	111	Tokyo
Kanagawa	7	10	10		7		8	7	10	4	8	6	6	6	13	4	7	5	6	5	3	3	8	143	Kanagawa
Niigata	12	13	13		11		9	10	10	11	5	17	12	13	13	9	7	10	9	7	12	6	7	216	Niigata
Toyama	2	2	2		1		2		3	1		3	1	2	5	4	2			1		2	1	34	Toyama
Ishikawa	1		2		2				1	1	1	1		1		1				2	2	1		16	Ishikawa
Fukui	2	2	1		5		2		2			2	1	1	1	3	1	1		3	2		1	30	Fukui
Yamanashi	7	2	4		6		4	6	5	3	4	4	5	3	4	4	2	3	4	4		1	1	76	Yamanashi
Nagano	45	28	24		15		29	30	28	25	23	24	24	20	22	22	19	9	16	24	25	22	25	499	Nagano
Gifu	8	10	11		9		9	6	7	11	11	8	9	11	7	5	5	7	6	14	8	11	8	181	Gifu
Shizuoka	36	43	45		7		9	5	14	8	9	7	4	12	4	8	7	6	10	8	11	6	11	270	Shizuoka
Aichi	26	24	25		15		26	15	11	17	12	17	9	11	11	18	8	17	18	13	12	12	11	328	Aichi
Mie	12	10	14		3		9	8	12	6	5	8	12	4	10	4	5	6	5	3	10	9	1	156	Mie
Shiga	11	4	2		3		4	4	2	7	6	2	5	3	2	5	7	1	3	3		1	4	79	Shiga

Kyoto	9	8	8		3		14	18	12	12	10	12	12	17	11	9	10	5	11	12	8	6	5	212	Kyoto
Osaka	14	11	14		15		11	9	9	14	11	11	13	6	8	3	7	5	3	5	4	2	5	180	Osaka
Hyogo	7	9	3		19		10	8	14	9	12	7	6	6	13	5	9	11	11	9	16	10	12	206	Hyogo
Nara	7	6	11		1		3	5	9	1	1	2	1	1		3	1	1	4	4	4			65	Nara
Wakayama	28	32	25		23		23	23	25	27	22	25	20	17	29	22	19	18	25	23	12	15	23	476	Wakayama
Tottori	5	3	1		2		2	4		2	2	3	2	1	2		1	1	1	1	2			35	Tottori
Shimane	1	5	2		2				1		1		2				2		4	3	2			25	Shimane
Okayama	8	4	5		3		10	1	2	2	2	2	1	2	2		1	7	2	3		3	1	61	Okayama
Hiroshima	9	7	2		8		15	11	5	10	5	3	5	10	10	8	11	15	18	12	7	8	9	188	Hiroshima
Yamaguchi	6	3	6		4		5	5		1	4	1	2	1	3	3	2	1	2	1	1	1		52	Yamaguchi
Tokushima	27	13	13		11		6	12	5	9	10	8	16	8	15	17	7	9	11	10	6	6	6	225	Tokushima
Kagawa	5	8	1		1		4	5	4	3	5	4	3	1	4	4	2	3	5	5		1	2	70	Kagawa
Ehime	5	7	12		12		11	5	8	15	6	9	11	10	3	12	5	7	4	7	9	6	4	168	Ehime
Kochi	12	6	4		3		7	9	4	9	10	16	8	12	7	1	6	3	2	10	8	4	5	146	Kochi
Fukuoka	9	21	16		25		18	10	14	13	12	21	16	23	9	17	15	16	19	16	13	8	19	330	Fukuoka
Saga	4	5	3		9		10	10	19	10	3	4	4	6	4	3	4	6	7	5	6	6	8	136	Saga
Nagasaki	4	5	5		7		4	8	7	2	10	7	2	5	4	4	4	3	5	5	7	7	12	117	Nagasaki
Kumamoto	12	9	16		11		11	9	7	9	13	10	4	12	7	6	5	7	13	15	7	14	14	211	Kumamoto
Oita	15	8	12		4		6	13	13	19	6	5	6	7	12	9	4	5	7	12	6	9	6	184	Oita
Miyazaki	8	18	36		15		16	19	17	18	17	19	16	24	26	23	31	20	19	27	12	29	23	433	Miyazaki
Kagoshima	10	11	19		22		10	19	29	19	27	31	21	20	24	15	16	26	31	15	17	26	24	432	Kagoshima
Okinawa		3	6		2		2			1	1	2			3	1		2						23	Okinawa
total	594	522	580		464		507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	9,574	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm> (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html

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 Fatal accidents in agricultural food products in Japan in 1999-2021

agricultural food products industry Code No.010103

Type of fatal accidents in agricultural food products in 1999-2021

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	total	Type of accidents	
fall from height						1	1		1				1			1		2		1				8	fall from height	
falling to same level																	1							1	falling to same level	
crash																										crash
struck by flying or falling object										1				1											2	struck by flying or falling object
collapse																										collapse
crashed by																1			1						2	crashed by
caught in/between	1	1		1								2		4											13	caught in/between

cut																								cut	
injury to the sole of the foot																								injury to the sole of the foot	
drown										1													1	drown	
contact to high/low-temperature																1								1	contact to high/low-temperature
contact to harmful substance													1					1						2	contact to harmful substance
electric shock			1																					1	electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)	1	3			1			1						1										7	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others																									others
unclassifiable																									unclassifiable
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				38	total

unclassifiable																										unclassifiable	
total	2	4	1	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1					38	total

Causal agents (small) of fatal accidents in agricultural food products in 1999-2021

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	total	Causal (S) agents	
engine																										engine
power transmission mechanism									1																1	power transmission mechanism
circular sawing machine																										circular sawing machine
band sawing machine																										band sawing machine
wood planer machine																										wood planer machine
hollow chisel mortiser, wood borer																										hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																										chamfering machine, router, woodworking milling machine
chain saw																										chain saw
other woodworking																										other woodworking

machines																								machines
leveling, transporting or loading machine																								leveling, transporting or loading machine
excavating machine																								excavating machine
foundation work machine																								foundation work machine
hardening machine																								hardening machine
demolition machine																								demolition machine
vehicle for high lift work																								vehicle for high lift work
other construction machines																								other construction machines
lathe																								lathe
drill press, milling machine																								drill press, milling machine
grinding machine, buffing machine																								grinding machine, buffing machine
power press																								power press
forging pressure hammer																								forging pressure hammer
shearing machine																								shearing machine
other metal manufacturing																								other metal manufacturing

inflammable substance																								inflammable substance
inflammable gas																								inflammable gas
harmful substance																								harmful substance
radiation																								radiation
other hazards, harmful substances																								1 other hazards, harmful substances
metal material																								metal material
lumber, bamboo																								lumber, bamboo
stone, sand, substance																								stone, sand, substance
other materials																								other materials
load																								1 load
machine/equipment as load																								machine/equipment as load
natural ground, rock																								natural ground, rock
standing tree																								1 standing tree
water																								water
abnormal environment																								1 abnormal environment
high/cold temperature environment																								high/cold temperature environment

30-49		1	1								1	2	1	2			1	1	1					11	30-49	
50-99						1	1							1				1							4	50-99
100-299				1				1				1					1		3	1					8	100-299
300 workers or more	1																								1	300 workers or more
total	2	4	1	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1				38	total

Month of fatal accidents in agricultural food products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month		
January								1									1								2	January	
February									1					1			1									3	February
March	1			1		1			1			1							1							6	March
April										1						1		1	1							4	April
May			1										1					1	1							4	May
June	1	1														1										3	June
July		1							1		1	2								1						6	July
August															1						1					2	August
September					1																					1	September
October		1					1																			2	October
November		1													1					1						3	November
December												1		1												2	December
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1					38	total	

Prefecture of fatal accidents in agricultural food products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture	
Hokkaido		1		1													1		1					4	Hokkaido	
Aomori																										Aomori
Iwate	1																							1	Iwate	
Miyagi																										Miyagi
Akita																										Akita
Yamagata																										Yamagata
Fukushima		1					1																	2	Fukushima	
Ibaraki																										Ibaraki
Tochigi									1							1								2	Tochigi	
Gunma								1	1						1			1						4	Gunma	
Saitama																										Saitama
Chiba								1											1					2	Chiba	
Tokyo																										Tokyo
Kanagawa																			1					1	Kanagawa	
Niigata				1																				1	Niigata	
Toyama																										Toyama
Ishikawa																										Ishikawa
Fukui																										Fukui
Yamanashi			1																					1	Yamanashi	

Kumamoto																										Kumamoto	
Oita													2													2	Oita
Miyazaki		1																								1	Miyazaki
Kagoshima								1			1					1										3	Kagoshima
Okinawa																											Okinawa
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4		2	2	2	5	1						38	total

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

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