

Industrial accidents in agricultural food products in Japan in 1999-2020

agricultural food products industry Code No.010103

Type of accidents in agricultural food products in 1999-2020

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
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
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
crash	24	18	20	20	21	18	31	17	25	16	15	20	16	20	16	10	19	13	17	19	17	18
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
collapse	8	5	5	5	6	8	5	7	5	7	4	6	4	8	6	6	3	4	1	6	5	4
crashed by	15	14	24	7	17	14	20	11	16	17	10	13	12	17	17	17	16	11	14	15	14	14
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
cut	90	72	84	74	65	65	51	58	61	53	75	53	47	46	53	39	45	40	46	47	41	46
injury to the sole of the foot	2	0	2	-	1	-	0	1	1	0	1	1	0	0	0	1	0	1	1	1	0	1
drown	0	0	0	-	0	-	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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
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
electric shock	0	0	2	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0
explosion	0	0	0	-	0	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
burst	0	2	0	-	1	-	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
fire	0	1	0	-	0	-	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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
traffic accident (others)	0	1	2	-	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
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
others	3	1	4	1	0	2	1	4	3	2	2	2	0	2	1	2	1	0	3	2	0	0

unclassifiable	0	0	0	-	0	-	0	0	0	1	0	0	0	0	2	0	0	0	0	0	2	
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379

Causal agents (middle) of industrial accidents in agricultural food products in 1999-2020

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
engine	1	0	1	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
power transmission mechanism	6	9	13	10	6	7	9	9	5	0	3	7	7	4	0	5	6	4	4	9	2	2
woodworking machine	0	2	0	1	2	-	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1
construction machine	0	0	0	1	0	-	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
metal manufacturing machine	9	4	1	-	1	4	0	1	4	0	1	1	0	2	1	0	1	0	0	1	0	1
general machine	168	147	172	140	133	121	123	120	103	109	101	115	99	109	100	91	76	92	94	69	76	77
mobile silviculture machine																	0	0	0	0	0	0
crane	3	4	5	6	5	7	7	3	5	1	2	3	4	1	2	6	1	2	0	6	3	3
conveying machine	73	62	68	61	54	49	63	45	47	43	54	53	46	47	45	46	33	36	45	51	37	34
vehicle	13	17	8	8	4	2	7	5	9	15	1	11	11	4	9	2	1	7	4	3	5	1
pressure vessel	1	1	2	-	2	-	2	0	3	0	3	1	1	0	1	0	0	0	0	0	2	2
chemical facilities	0	2	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	1	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	3	6	4	2	1	-	4	0	1	1	3	6	3	3	1	2	2	3	0	0	2	0
electric equipment	0	0	1	1	0	-	0	0	0	1	0	0	1	1	1	0	0	2	1	2	0	0
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
tools	39	33	43	36	40	46	43	43	37	55	36	36	43	35	38	41	35	31	35	39	40	40
other equipments, facilities	23	20	20	17	9	16	17	14	24	19	19	13	17	17	16	16	20	10	12	16	16	14
temporary buildings,	123	89	114	108	105	127	130	122	121	124	128	115	98	108	116	98	88	104	136	152	107	99

equipment																						
arc welding equipment			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other welding equipment			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron			2		0		3	0	0	1	2	4	3	3	1	0	2	2	0	0	2	0
industrial dryer			1		0		0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
other kiln, caldron			1		1		1	0	1	0	0	2	0	0	0	0	1	0	0	0	0	0
transmission			0		0		0	0	0	1	0	0	0	0	0	0	1	1	2	0	0	0
electric power facilities			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other electrical equipment			0		0		0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0
human power cranes			0		0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
human power hauling equipment			12		9		4	10	18	16	10	14	11	14	13	9	16	12	11	12	16	13
human power machine			0		0		0	1	1	0	1	0	0	0	1	2	0	0	2	1	0	0
hand tool			20		21		13	14	16	17	22	18	14	10	20	12	20	9	16	16	8	17
ladder			20		21		11	17	7	12	12	18	15	11	18	13	10	8	11	8	9	14
slinging tool			2		0		1	1	0	0	0	0	1	1	0	0	1	1	0	1	0	0
other tools			21		19		31	25	30	43	24	18	27	23	20	28	24	22	24	30	31	26
other equipment, facilities			20		9		17	14	24	19	19	13	17	17	16	16	20	10	12	16	16	14
scaffolding			0		0		0	1	0	0	0	0	0	0	0	1	0	2	1	0	0	0
timbering			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage			12		13		24	12	20	13	13	17	7	12	10	10	10	10	19	20	16	12
opening			2		2		3	1	1	1	0	0	0	1	2	0	1	3	3	2	1	1
roof, beam, haze, crossbeam, principal rafter			0		0		2	3	2	0	1	2	2	1	0	0	3	1	0	3	1	1
working platform, boot board			30		16		28	26	21	24	28	24	19	16	23	24	18	20	18	24	22	18
passage			54		51		48	55	54	52	67	55	51	54	64	52	35	47	74	69	55	51
building, establishment			12		13		17	17	18	24	12	9	12	14	10	7	17	16	17	22	8	9

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
20-29	56	88	68	64	47	53	46	63	54	48	48	49	51	44	43	52	47	39	54	46	37	39
30-39	67	67	78	84	57	68	64	62	65	69	62	60	60	80	57	55	52	37	53	52	54	60
40-49	139	106	107	99	99	90	107	79	81	91	92	76	64	67	88	83	65	74	81	93	67	64
50-59	186	163	213	164	157	158	189	178	168	158	141	152	126	128	115	112	97	111	128	122	104	104
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
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379

Workers' number of workplace of industrial accidents in agricultural food products in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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
10-29	132	131	156	132	98	127	114	105	87	110	103	78	87	92	88	78	68	79	86	99	57	90
30-49	142	106	125	97	107	97	102	99	107	99	99	105	96	110	90	77	79	91	99	86	71	74
50-99	131	113	108	120	111	106	114	139	111	123	100	125	108	100	120	122	95	100	116	118	110	92
100-299	93	94	77	87	83	89	102	90	106	102	97	80	95	88	82	76	105	85	105	109	119	92
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
total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379

Month of industrial accidents in agricultural food products in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	57	37	38	42	32	36	35	44	38	37	42	35	41	44	44	34	33	32	37	54	34	28
February	40	39	44	40	42	28	36	41	33	47	38	36	31	46	31	33	27	39	31	38	36	29
March	61	30	56	35	40	57	43	38	49	37	25	49	33	31	34	30	40	29	41	34	32	26
April	35	44	48	44	34	39	43	35	28	40	29	44	35	29	39	38	37	29	35	33	32	35
May	58	39	42	39	30	33	44	49	47	43	41	25	31	33	37	29	27	32	40	27	21	34
June	52	43	49	40	35	47	37	39	35	37	36	34	42	42	29	28	37	21	35	39	29	29
July	52	56	51	32	44	31	53	48	41	37	31	36	32	27	34	39	39	29	32	42	30	31
August	46	48	39	42	38	34	46	44	43	35	47	35	32	40	26	29	28	41	40	38	28	39
September	51	53	50	33	39	45	36	36	33	43	38	45	43	32	34	47	24	22	36	40	39	33
October	45	48	52	59	41	48	56	46	38	39	40	51	35	28	33	27	25	35	32	43	41	32
November	48	45	68	45	47	50	34	35	52	36	40	34	31	44	36	30	37	37	41	40	38	25
December	49	40	43	52	42	44	44	26	43	55	47	38	42	47	56	37	28	38	46	31	35	38

total	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379
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Prefecture of industrial accidents in agricultural food products in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	77	54	69		52		89	64	62	51	56	45	57	41	43	48	54	40	54	61	57	50
Aomori	4	1	2		6		4	6	2	4	7	8	3	13	7	7	7	10	7	7	11	9
Iwate	3	9	8		3		6	5	5	20	6	4	12	8	6	6	1	7	7	10	8	3
Miyagi	13	12	9		5		3	7	9	5	7	8	2	2	2	4	5	6	3	11	4	7
Akita	6	4	1		3		4	5	0	1	5	2	4	2	1	4	3	4	2	5	2	4
Yamagata	17	18	34		15		21	23	27	20	19	25	24	28	18	15	10	15	16	24	19	13
Fukushima	19	17	22		11		7	24	11	11	9	8	11	8	13	12	8	5	7	6	10	2
Ibaraki	20	11	8		10		11	11	9	10	12	6	13	15	12	13	14	15	16	13	12	13
Tochigi	10	8	8		6		3	6	2	11	5	10	6	17	9	7	10	9	10	12	7	5
Gunma	26	13	20		34		21	15	14	19	35	15	13	12	13	12	10	8	12	9	9	16
Saitama	14	8	11		25		19	10	19	22	11	16	17	12	10	15	17	18	11	6	10	13
Chiba	4	4	12		3		1	6	6	7	6	9	5	4	6	4	8	4	14	6	8	2
Tokyo	7	13	3		5		9	5	5	6	2	5	2	5	5	2	3	7	6	2	6	7
Kanagawa	7	10	10		7		8	7	10	4	8	6	6	6	13	4	7	5	6	5	3	3
Niigata	12	13	13		11		9	10	10	11	5	17	12	13	13	9	7	10	9	7	12	6
Toyama	2	2	2		1		2	0	3	1	0	3	1	2	5	4	2	0	0	1	0	2
Ishikawa	1	0	2		2		0	0	1	1	1	1	0	1	0	1	0	0	0	2	2	1
Fukui	2	2	1		5		2	0	2	0	0	2	1	1	1	3	1	1	0	3	2	0
Yamanashi	7	2	4		6		4	6	5	3	4	4	5	3	4	4	2	3	4	4	0	1
Nagano	45	28	24		15		29	30	28	25	23	24	24	20	22	22	19	9	16	24	25	22
Gifu	8	10	11		9		9	6	7	11	11	8	9	11	7	5	5	7	6	14	8	11
Shizuoka	36	43	45		7		9	5	14	8	9	7	4	12	4	8	7	6	10	8	11	6
Aichi	26	24	25		15		26	15	11	17	12	17	9	11	11	18	8	17	18	13	12	12
Mie	12	10	14		3		9	8	12	6	5	8	12	4	10	4	5	6	5	3	10	9
Shiga	11	4	2		3		4	4	2	7	6	2	5	3	2	5	7	1	3	3	0	1
Kyoto	9	8	8		3		14	18	12	12	10	12	12	17	11	9	10	5	11	12	8	6
Osaka	14	11	14		15		11	9	9	14	11	11	13	6	8	3	7	5	3	5	4	2
Hyogo	7	9	3		19		10	8	14	9	12	7	6	6	13	5	9	11	11	9	16	10
Nara	7	6	11		1		3	5	9	1	1	2	1	1	0	3	1	1	4	4	4	0
Wakayama	28	32	25		23		23	23	25	27	22	25	20	17	29	22	19	18	25	23	12	15
Tottori	5	3	1		2		2	4	0	2	2	3	2	1	2	0	1	1	1	1	2	0

construction machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	1	1	0	0	0	1	0	0	0	0	2	0	0	0	1	0	0	3	1	0	0
mobile silviculture machine																	0	0	0	0	0	0
crane	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
conveying machine	2	0	0	1	1	0	0	0	1	0	0	1	1	2	0	0	1	1	1	0	0	0
vehicle	0	3	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine, tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tools	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
temporary buildings, establishments	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
hazards, harmful substances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
natural environment	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
other causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4	0	2	2	2	5	1	0	0

stone, sand, substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
machine/equipment as load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural ground, rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
standing tree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
abnormal environment	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
high/cold temperature environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other environments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4	0	2	2	2	5	1	0	0

Workers age of fatal accidents in agricultural food products in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 years old or less	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
20-29	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0
40-49	1	2	0	1	0	0	0	1	1	0	0	0	0	0	1	1	1	2	0	0	0	0
50-59	1	2	0	0	0	1	0	0	1	0	0	3	0	2	0	0	0	0	1	0	0	0
60 years old or more	0	0	0	0	1	0	0	0	1	1	1	0	1	1	0	1	0	1	1	1	0	0
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4	0	2	2	2	5	1	0	0

Workers' number of workplace of fatal accidents in agricultural food products in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	1	1	0	0	0	0	0	0	2	0	0	0	0	1	0	2	0	0	0	0	0	0

Oita	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Miyazaki	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagoshima	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0
Okinawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	2	4	1	1	1	1	1	1	3	1	1	4	1	4	0	2	2	2	5	1	0	0

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

Return to https://www.jisha.or.jp/english/statistics/2020e_industry.html