

Fatal and non-fatal accidents in agriculture in Japan in 1999-2021

agriculture industry Code No.06

Type of accidents in agriculture 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	626	613	613	613	590	567	550	540	612	569	586	591	554	606	577	544	573	576	530	618	579	592	570	13,389	fall from height
falling to same level	609	547	548	475	578	449	410	396	373	403	382	427	413	415	418	389	391	378	340	412	408	402	408	9,971	falling to same level
crash	125	117	120	102	113	80	100	89	93	84	85	95	92	98	101	89	88	83	98	95	104	104	100	2,255	crash
struck by flying or falling object	496	516	498	499	464	493	420	392	386	369	456	412	391	368	349	317	321	318	288	289	239	253	242	8,776	struck by flying or falling object
collapse	121	106	107	114	120	111	93	80	95	89	103	114	82	71	71	66	84	87	57	57	48	54	45	1,975	collapse
crashed by	557	530	563	566	502	520	522	488	511	487	473	563	554	469	383	397	384	399	322	344	361	382	331	10,608	crashed by
caught in/between	304	243	273	228	230	250	211	220	232	225	218	246	259	211	249	236	201	212	232	245	225	226	252	5,428	caught in/between
cut	997	1,036	945	930	969	892	788	695	800	809	802	779	749	643	563	573	547	466	442	417	430	456	450	16,178	cut
injury to the sole of the foot	9	10	7	8	11	18	8	5	8	7	10	15	4	10	12	3	9	10	9	2	13	11	14	213	injury to the sole of the foot
drown				1		1	1						3		3			3	1				1	14	drown
contact to high/low-temperature	13	14	12	10	10	14	10	8	13	17	7	30	21	24	21	24	28	35	33	46	33	31	30	484	contact to high/low-temperature
contact to harmful	1	10	3	3	4	4	7	3	4	3	4	2	5	6	2	4	8	3	8	5	7	9	13	118	contact to harmful

substance																									substance	
electric shock	1		2		1		2	1		1		1				4			4			1	2		20	electric shock
explosion	1	1								1					1				1			1	1		7	explosion
burst					1		1																		2	burst
fire	3	1	1	1		1	2		1	1	3	1			1		1	1	2		2	1		23	fire	
traffic accident (public road)	45	59	28	33	36	34	33	34	31	19	35	42	48	57	33	23	41	39	47	30	41	39	43	870	traffic accident (public road)	
traffic accident (others)	3	1				1	2	3		2	1	1	1	3		1			1			2		22	traffic accident (others)	
reaction to motion/improper motion	155	131	155	146	135	137	111	113	122	126	133	147	146	116	150	140	138	170	167	157	157	191	219	3,362	reaction to motion/improper motion	
others	49	71	57	42	57	51	40	25	32	37	55	47	42	36	49	46	35	33	30	47	37	53	73	1,044	others	
unclassifiable	5	7	12	4	7	7	2	3	2	3	1	5	3	4	2	2	4	4			1	1	3	82	unclassifiable	
total	4,120	4,013	3,944	3,775	3,828	3,630	3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	74,841	total	

Causal agents (large) of fatal and non-fatal accidents in agriculture in 1999-2021

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	total	Causal (L) agents
machine	1,011	976	977	948	962	948	843	739	875	891	884	877	847	754	687	681	686	650	576	575	632	649	629	18,297	machine
crane, conveying machine	349	321	283	269	289	286	287	278	263	258	272	265	272	303	262	244	225	238	253	264	228	225	207	6,141	crane, conveying machine
other equipment	562	536	528	520	526	432	448	409	441	417	402	463	423	433	398	395	380	402	378	454	431	472	452	10,302	other

																									equipment
temporary buildings, establishments	231	231	208	210	226	222	204	241	213	216	196	236	223	270	274	262	263	272	231	307	290	319	334	5,679	temporary buildings, establishments
substance, material	298	272	232	263	208	226	228	195	202	139	151	183	182	165	165	133	126	145	119	131	106	123	119	4,111	substance, material
load	34	21	43	41	37	36	34	30	36	38	29	37	32	35	49	51	52	52	59	46	53	50	56	951	load
environment	1,534	1,540	1,552	1,435	1,492	1,396	1,207	1,139	1,222	1,226	1,325	1,384	1,291	1,118	1,068	1,002	1,050	972	908	913	857	871	851	27,353	environment
others	101	116	121	89	88	84	62	64	63	67	95	73	97	64	81	86	71	90	84	74	89	101	147	2,007	others
total	4,120	4,013	3,944	3,775	3,828	3,630	3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	74,841	total

Causal agents (middle) of fatal and non-fatal accidents in agriculture in 1999-2021

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	total	Causal (M) agents
engine	2	1					1			1	1		1		1	2	1			2	1			14	engine
power transmission mechanism	6	5	6	4	2	7	6	3	5	5	7	4	5	7	4	10	5	9	2	4	5	12	7	130	power transmission mechanism
woodworking machine	626	657	626	591	619	618	559	488	595	595	572	585	542	445	403	403	372	322	297	277	280	271	276	11,019	woodworking machine
construction machine	50	27	39	47	39	47	45	42	41	41	44	39	49	58	51	40	41	42	30	35	42	30	47	966	construction machine
metal manufacturing machine	20	8	5	8	4	4	3	5	5	4	4	5	5	2	2	5	4	2	1	8	3	5	5	117	metal manufacturing machine

general machine	307	278	301	298	298	272	229	201	229	245	256	244	245	242	226	221	191	199	197	190	239	244	234	5,586	general machine
mobile silviculture machine																	72	76	49	59	62	87	60	465	mobile silviculture machine
crane	100	92	78	64	68	60	84	65	49	66	49	63	41	52	45	45	35	38	22	31	23	27	23	1,220	crane
conveying machine	216	178	168	170	181	187	169	178	181	162	180	152	191	199	184	172	144	163	181	191	164	158	142	4,011	conveying machine
vehicle	33	51	37	35	40	39	34	35	33	30	43	50	40	52	33	27	46	37	50	42	41	40	42	910	vehicle
pressure vessel						1	1								1	1	1	1			1	1		8	pressure vessel
chemical facilities																		1						1	chemical facilities
welding equipment											1									1				2	welding equipment
kiln, caldron		1	1	2				1			1						1	2			1	2	1	13	kiln, caldron
electric equipment	1		1		2		1	2		1	1	2	2	3			1	6	1	1				25	electric equipment
human power machine, tools	267	254	228	212	215	173	167	147	139	128	104	149	147	125	110	111	117	115	101	129	99	135	144	3,516	human power machine, tools
tools	285	271	285	297	299	249	267	250	281	273	285	298	259	288	271	267	243	254	260	299	307	316	289	6,393	tools
other equipments, facilities	9	10	13	9	10	9	12	10	20	15	12	12	15	17	16	16	17	23	16	24	23	18	18	344	other equipments, facilities
temporary buildings, establishments	231	231	208	210	226	222	204	241	213	216	196	236	223	270	274	262	263	272	231	307	290	319	334	5,679	temporary buildings, establishments

hazards, harmful substances	8	16	5	3	6	4	6	3	2	7	3	4	4	9	1	2	5	2	8	4	5	6	10	123	hazards, harmful substances
materials	290	256	227	260	202	222	222	192	200	132	148	179	178	156	164	131	121	143	111	127	101	117	109	3,988	materials
load	34	21	43	41	37	36	34	30	36	38	29	37	32	35	49	51	52	52	59	46	53	50	56	951	load
natural environment	1,534	1,540	1,552	1,435	1,492	1,396	1,207	1,139	1,222	1,226	1,325	1,384	1,291	1,118	1,068	1,002	1,050	972	908	913	857	871	851	27,353	natural environment
other causal agent	36	51	41	28	33	31	14	14	22	20	27	20	27	22	28	34	21	31	27	23	24	24	49	647	other causal agent
no causal agent	59	54	66	55	46	41	42	47	40	43	64	50	63	41	52	49	47	54	57	49	65	77	96	1,257	no causal agent
unclassifiable	6	11	14	6	9	12	6	3	1	4	4	3	7	1	1	3	3	5		2			2	103	unclassifiable
total	4,120	4,013	3,944	3,775	3,828	3,630	3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	74,841	total

Causal agents (small) of fatal and non-fatal accidents in agriculture 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							1			1	1		1		1	2	1			2	1			11	engine
power transmission mechanism			6		2		6	3	5	5	7	4	5	7	4	10	5	9	2	4	5	12	7	108	power transmission mechanism
circular sawing machine			24		11		12	3	10	9	4	8	13	12	10	11	6	4	7	5	8	5	9	171	circular sawing machine
band sawing machine			1		1					1	1		2	1			1			1	1			10	band sawing machine
wood planer machine					1		3	3			1								3			1	2	14	wood planer machine



buffing machine			1		1		2	1	1	1	3	2	5		2	4	3	2	1	7	3	5	4	48	buffing machine	
power press																										power press
forging pressure hammer																										forging pressure hammer
shearing machine													1											1	shearing machine	
other metal manufacturing machines			4		3		1	4	4	3	1	3				1	1			1			1	27	other metal manufacturing machines	
centrifugal machine										1						1				1	1			4	centrifugal machine	
mixer, grinder			1		4			2	4	4	6	3	7	4	2	2	4	1	2	3	7	4	5	65	mixer, grinder	
roll machine (except printingroll machine)			1										1	1					2		1			6	roll machine (except printingroll machine)	
injection molding machine			2																	1				3	injection molding machine	
food manufacturing machine			2				3	2	4	4	12	4	4	9	9	6	8	5	8	6	5	15	10	116	food manufacturing machine	
printing machine																			1					1	printing machine	
industrial robot			1				1					1		2						1	1			7	industrial robot	
other general power machines			294		294		225	197	221	236	238	236	233	226	215	212	179	193	184	178	224	225	219	4,229	other general power machines	
felling machine																	35	40	27	25	27	56	30	240	felling machine	
mobile logging machine																	23	19	13	21	18	17	10	121	mobile logging machine	
skyline yarding																	12	13	7	11	15	10	15	83	skyline yarding	

machine																								machine	
other mobile silviculture machine																2	4	2	2	2	4	5	21	other mobile silviculture machine	
crane			1		1		4	1	1	2	2	1	1		1	1	3	1		1		3	1	25	crane
mobile crane			16		16		21	19	14	17	9	18	9	16	15	11	10	13	13	12	10	10	10	259	mobile crane
derrick crane																									derrick crane
elevator, lift					1			1					1	1	1	2		1		2	3	2		15	elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																					1			1	gondola
lumberyard equipment, logging cableway			55		43		47	37	30	33	30	33	22	27	20	26	17	19	8	12	6	9	9	483	lumberyard equipment, logging cableway
simple skyline yarding equipment																	2	1				2	2	7	simple skyline yarding equipment
other powered crane			6		7		12	7	4	14	8	11	8	8	8	5	3	3	1	4	3	1	1	114	other powered crane
truck			91		109		94	97	108	83	100	85	102	112	94	83	86	99	112	119	94	102	91	1,861	truck
forklift			14		7		11	6	9	6	12	12	14	9	15	10	8	19	20	15	21	15	14	237	forklift
railway equipment					2								1	1	2	1				3	1	1		12	railway equipment
conveyor			15		11		9	17	10	13	17	9	12	7	13	13	21	15	11	10	16	14	16	249	conveyor
loader			2		2			3		1	2	1	1	1		2	4		2		3	4	1	29	loader
straddle carrier																									straddle carrier
rough terrain hauler					3		2		2	4		4		4	2	2	2	4	6	3	4	2	1	45	rough terrain hauler
other powered			46		47		53	55	52	55	49	41	61	65	58	61	23	26	30	41	25	20	19	827	other powered



conveying machines																									conveying machines
cars, bus, motorcycle			36		39		32	33	31	24	37	48	38	47	31	23	41	34	42	36	36	38	37	683	cars, bus, motorcycle
railway vehicle																			1					1	railway vehicle
other vehicles			1		1		2	2	2	6	6	2	2	5	2	4	5	3	7	6	5	2	5	68	other vehicles
boiler							1								1						1			3	boiler
pressure vessel																	1	1						2	pressure vessel
other pressure vessels																	1					1		2	other pressure vessels
chemical facilities																			1					1	chemical facilities
gas welding equipment																								1	gas welding equipment
arc welding equipment																					1			1	arc welding equipment
other welding equipment																									other welding equipment
kiln, caldron												1						1			1	1		4	kiln, caldron
industrial dryer			1						1								1					1	1	5	industrial dryer
other kiln, caldron																		1						1	other kiln, caldron
transmission			1		1		1	1		1	1	1	3				1	5	1	1				19	transmission
electric power facilities																		1						2	electric power facilities
other electrical equipment					1			1					1											3	other electrical equipment
human power					1		1	1	2		2		2	1	1	1	1	1	1	3	2	3	8	31	human power

cranes																								cranes	
human power hauling equipment			15		7		10	8	15	17	7	19	19	13	19	11	14	15	16	19	17	31	31	303	human power hauling equipment
human power machine			5		1		4	2	7	4		2	1	1	2	2	2	5	3	1	2	2	5	51	human power machine
hand tool			208		206		152	136	115	107	95	128	125	110	88	97	100	94	81	106	78	99	100	2,225	hand tool
ladder			225		238		209	194	228	227	242	237	209	243	214	220	202	212	212	246	243	257	235	4,293	ladder
slinging tool			9		11		7	11	4	7	8	5	2	6	5	9	5	4	3	4	3	5	4	112	slinging tool
other tools			51		50		51	45	49	39	35	56	48	39	52	38	36	38	45	49	61	54	50	886	other tools
other equipment, facilities			13		10		12	10	20	15	12	12	15	17	16	16	17	23	16	24	23	18	18	307	other equipment, facilities
scaffolding			8		5		5	8	5	3	2	4	1	4	2	5	3	1	2	4	5	2	3	72	scaffolding
timbering			1										1											2	timbering
stairs, landing stage			14		7		6	12	10	10	5	12	10	18	6	9	9	10	13	8	15	22	20	216	stairs, landing stage
opening			1		3		1	1	2	5	5	1	2	4	5	5	3	3	1	4	5	9	1	61	opening
roof, beam, haze, crossbeam, principal rafter			6		8		8	10	7	5	5	7	7	13	8	8	12	10	4	2	3	9	9	141	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			42		64		27	49	42	42	38	51	44	42	49	53	46	44	46	61	60	44	48	892	working platform, boot board
passage			83		83		90	102	90	83	83	95	101	105	120	116	117	117	99	141	125	151	166	2,067	passage
building, establishment			34		37		39	37	40	44	33	40	36	58	56	35	42	57	34	46	51	46	49	814	building, establishment
other temporary buildings, establishments			19		19		28	22	17	24	25	26	21	26	28	31	31	30	32	41	26	36	38	520	other temporary buildings, establishments

explosive substance																								explosive substance	
inflammable substance			1		2		2		1	4	1	2		3		1	1	1	3		1	2	2	27	inflammable substance
inflammable gas										1												1		2	inflammable gas
harmful substance			3				2			1	2		2	3		1	3	1	2	1	1	1	2	25	harmful substance
radiation																									radiation
other hazards, harmful substances			1		4		2	3	1	1		2	2	3	1		1		3	3	3	2	6	38	other hazards, harmful substances
metal material			19		20		15	21	20	15	15	13	20	22	16	9	11	19	16	14	15	18	27	325	metal material
lumber, bamboo			176		156		183	154	159	108	113	132	131	111	117	101	97	106	78	88	68	76	61	2,215	lumber, bamboo
stone, sand, substance			25		16		21	13	9	6	13	29	21	14	16	13	7	10	12	15	13	18	16	287	stone, sand, substance
other materials			7		10		3	4	12	3	7	5	6	9	15	8	6	8	5	10	5	5	5	133	other materials
load			42		36		31	28	35	37	28	32	30	33	46	46	51	49	54	45	49	48	55	775	load
machine/equipment as load			1		1		3	2	1	1	1	5	2	2	3	5	1	3	5	1	4	2	1	44	machine/equipment as load
natural ground, rock			362		381		235	250	237	284	277	253	241	232	215	192	230	186	199	194	192	171	191	4,522	natural ground, rock
standing tree			1,088		989		879	810	895	862	956	1,006	951	776	736	701	713	679	599	581	553	567	531	14,872	standing tree
water			1		2		1	1	2		1		8	2	4	1	2	2	1	1	1	1	3	34	water
abnormal environment			1		1				3	1	1		2						1			1	6	17	abnormal environment
high/cold temperature environment			11		7		7	7	9	7	6	23	16	19	18	22	21	25	29	41	26	23	21	338	high/cold temperature environment

other environments			89		112		85	71	76	72	84	102	73	89	95	86	84	80	79	96	85	108	99	1,665	other environments
other causal agent			41		33		14	14	22	20	27	20	27	22	28	34	21	31	27	23	24	24	49	501	other causal agent
no causal agent			66		46		42	47	40	43	64	50	63	41	52	49	47	54	57	49	65	77	96	1,048	no causal agent
unclassifiable			14		9		6	3	1	4	4	3	7	1	1	3	3	5		2			2	68	unclassifiable
total			3,944		3,828		3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	59,303	total

#### Workers age of fatal and non-fatal accidents in agriculture 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	59	53	64	76	52	49	47	35	32	30	30	52	44	36	38	38	51	45	45	42	48	48	38	1,052	19 years old or less
20-29	374	430	454	442	431	402	357	318	355	366	400	422	383	345	342	319	323	311	271	321	294	318	353	8,331	20-29
30-39	376	392	406	404	506	467	459	461	473	533	560	585	568	547	550	507	499	490	436	454	437	424	451	10,985	30-39
40-49	546	523	540	497	502	485	460	412	432	437	482	504	539	524	482	453	490	504	454	499	497	532	516	11,310	40-49
50-59	932	821	844	807	878	853	813	762	842	741	771	812	718	645	579	510	523	494	473	451	472	497	489	15,727	50-59
60 years old or more	1,833	1,794	1,636	1,549	1,459	1,374	1,177	1,107	1,181	1,145	1,111	1,143	1,115	1,045	993	1,027	967	977	929	997	938	991	948	27,436	60 years old or more
total	4,120	4,013	3,944	3,775	3,828	3,630	3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	74,841	total

#### Workers' number of workplace of fatal and non-fatal accidents in agriculture 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	2,279	2,269	2,222	2,063	2,043	1,969	1,892	1,789	1,927	1,850	1,860	1,930	1,808	1,697	1,691	1,618	1,542	1,525	1,461	1,523	1,475	1,551	1,477	41,461	9 workers or less
10-29	952	898	891	905	948	835	744	691	785	780	839	839	875	842	774	741	752	809	734	767	729	792	824	18,746	10-29
30-49	445	397	417	406	437	416	354	333	314	310	331	370	341	284	264	268	320	259	240	263	270	268	284	7,591	30-49







total	4,120	4,013	3,944		3,828		3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	67,436	total
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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)

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Fatal accidents in agriculture in Japan in 1999-2021

agriculture industry Code No.06

Type of fatal accidents in agriculture 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	21	20	20	15	19	14	13	19	21	18	18	18	11	13	15	10	19	15	6	11	10	14	14	354	fall from height
falling to same level	3	2	2	1	2		1	3		1	2	2	1	4	2	1	3	3	2	4	2	2	3	46	falling to same level
crash	2								1			2	2				1					2		10	crash
struck by flying or falling object	10	9	13	4	7	5	6	6	5	6	9	8	6	6	8	7	6	1	4	5	6	2	4	143	struck by flying or falling object
collapse	10	8	7	8	11	5	7	12	8	6	3	11	5	5	2	6	9	3	6	4	4	7	1	148	collapse
crashed by	28	22	15	21	14	22	27	22	22	17	15	21	15	13	10	23	10	25	21	13	15	14	15	420	crashed by
caught in/between	4	3	3	6	5	5	2	4	5	3	4	5	6	5	4	5	1	3	9	2	2	3	4	93	caught in/between
cut	1	4	3	4	3	3	1	1		2		3		1	2					1		2		31	cut





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	total	Causal (L) agents
machine	7	7	8	10	5	4	4	6	5	6	3	6	5	7	4	2	9	7	12	10	7	11	6	151	machine
crane, conveying machine	10	14	11	11	15	12	8	15	7	9	10	16	9	7	5	8		6	6	4	10	6	2	201	crane, conveying machine
other equipment	5	7	3	4	4	7	5	7	5	3	6	3	1	4	3	4	5	8	2	1	3	2	3	95	other equipment
temporary buildings, establishments	5	4	2	3	2		1	3	2	2		1	1	3	1	1	1	4		1	2	1	3	43	temporary buildings, establishments
substance, material	1	3	2	3				1	2	1		2		1	1		1	1		2	1			22	substance, material
load		1					1		2				1									1		6	load
environment	55	37	43	34	43	36	41	45	42	35	36	56	42	31	35	38	36	31	31	26	22	32	32	859	environment
others	2		1		4						1	1	2			1	1	1					1	15	others
total	85	73	70	65	73	59	60	77	65	56	56	85	61	53	49	54	53	58	51	44	45	53	47	1,392	total

Causal agents (middle) of fatal accidents in agriculture in 1999-2021

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	total	Causal (M) agents	
engine																										engine
power transmission mechanism																										power transmission mechanism
woodworking machine			2	1	1	3						1		1	1		1			1		1			13	woodworking machine
construction machine	5	2	1	2	1		2	1	2	2	1		3	6	2		2	2	1	2	2	2			41	construction machine

metal manufacturing machine																									metal manufacturing machine
general machine	2	5	5	7	3	1	2	5	3	4	2	5	2		1	2	2		6	4	2	2	4	69	general machine
mobile silviculture machine																	4	5	5	3	3	6	2	28	mobile silviculture machine
crane	4	7	5	6	2	3	4	5	1	1	3	3	1	1	2	3		1	2	1		1	1	57	crane
conveying machine	6	5	3	2	10	7	4	7	4	8	4	11	8	5	3	5		4	4	2	7	5		114	conveying machine
vehicle		2	3	3	3	2		3	2		3	2		1				1		1	3		1	30	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron																									kiln, caldron
electric equipment			1											1				1						3	electric equipment
human power machine, tools										1							1					1		3	human power machine, tools
tools	4	7	2	4	4	7	5	7	5	2	6	3	1	3	3	4	4	7	2	1	3	1	3	88	tools
other equipments, facilities	1																							1	other equipments, facilities
temporary buildings, establishments	5	4	2	3	2		1	3	2	2		1	1	3	1	1	1	4		1	2	1	3	43	temporary buildings, establishments
hazards, harmful substances																									hazards, harmful substances









other vehicles																							1																							1	other vehicles																									
boiler																																																boiler																								
pressure vessel																																															pressure vessel																									
other pressure vessels																																															other pressure vessels																									
chemical facilities																																															chemical facilities																									
gas welding equipment																																															gas welding equipment																									
arc welding equipment																																															arc welding equipment																									
other welding equipment																																															other welding equipment																									
kiln, caldron																																															kiln, caldron																									
industrial dryer																																															industrial dryer																									
other kiln, caldron																																															other kiln, caldron																									
transmission																								1																							1												1												3	transmission
electric power facilities																																															electric power facilities																									
other electrical equipment																																															other electrical equipment																									
human power cranes																																															human power cranes																									
human power hauling equipment																																																											1	human power hauling equipment												
human power machine																																															1												1	human power machine												





harmful substance																									harmful substance
radiation																									radiation
other hazards, harmful substances																									other hazards, harmful substances
metal material																									metal material
lumber, bamboo	1	3	2	3				1	2	1		2		1	1		1	1		2	1			22	lumber, bamboo
stone, sand, substance																									stone, sand, substance
other materials																									other materials
load		1					1		1			1										1		5	load
machine/equipment as load									1															1	machine/equipment as load
natural ground, rock	5	5	6	3	8	3	2	5	5	3	7	7	3	4	7	1	4	5	1	3	1	4	3	95	natural ground, rock
standing tree	47	32	34	28	31	30	36	37	36	31	26	40	28	25	21	36	30	24	28	21	20	25	24	690	standing tree
water				1		1	1						7		1					1			1	13	water
abnormal environment																									abnormal environment
high/cold temperature environment	3		2		1			1				7	4	2	2	1	1	2	2	1		1	2	32	high/cold temperature environment
other environments			1	2	3	2	2	2	1	1	3	2			4		1				1	2	2	29	other environments
other causal agent	1				3							1	1											6	other causal agent
no causal agent			1								1					1		1						4	no causal agent
unclassifiable	1				1							1				1						1		5	unclassifiable

total	85	73	70	65	73	59	60	77	65	56	56	85	61	53	49	54	53	58	51	44	45	53	47	1,392	total
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Workers age of fatal accidents in agriculture 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	2						1					1	1	1		2									8	19 years old or less
20-29	2	5	1	3	2	3	2	1	1	4	1	2	2	2	2	3	3	4		3	5	2	5	58	20-29	
30-39	2	2	3	2	3	3	1	4	5	4	5	3	7	3	3	8	7	7	4		6	4	4	90	30-39	
40-49	10	5	9	4	12	3	6	10	4	2	7	4	6	3	6	6	5	7	7	7	9	6	8	146	40-49	
50-59	19	14	14	14	13	19	11	20	24	9	13	26	16	8	13	11	12	12	8	6	9	10	8	309	50-59	
60 years old or more	50	47	43	42	43	31	39	42	31	37	30	49	29	36	25	24	26	28	32	28	16	31	22	781	60 years old or more	
total	85	73	70	65	73	59	60	77	65	56	56	85	61	53	49	54	53	58	51	44	45	53	47	1,392	total	

Workers' number of workplace of fatal accidents in agriculture 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	51	37	42	43	41	34	37	52	41	35	30	51	39	35	32	29	35	37	32	29	24	39	28	853	9 workers or less	
10-29	23	21	15	16	25	17	15	17	17	15	16	16	18	13	9	11	13	13	14	10	16	12	10	352	10-29	
30-49	6	8	9	4	7	5	3	3	5	2	7	10	1	2	6	6	3	6	2	4	5	1	5	110	30-49	
50-99	4	7	2	2		3	3	3	2	1	2	6	2	2	2	6	1	2	3	1		1	4	59	50-99	
100-299	1		2				2	2		3	1	2	1	1		2	1							18	100-299	
300 workers or more																										300 workers or more
total	85	73	70	65	73	59	60	77	65	56	56	85	61	53	49	54	53	58	51	44	45	53	47	1,392	total	

Month of fatal accidents in agriculture 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	4	4	10	3	4	1	5	6	4	5	5	4	4	3	8	8	5	3	8	8	1	3	1	107	January
February	5	6	2	6	11	4	11	4	3	4	10	9	7	6	1	3	5	6	2	4	5	4	7	125	February
March	10	2	2	5	8	5	4	9	6	6	6	8	14	6	3	4	1	6	5	3	2	5	5	125	March
April	7	6	8	4	3	1	5	5	5	7	1	6	3	3	2	3	5	2	4	2	8	8	3	101	April
May	8	5	2	3	4	2	4	3	10	3	2	7	3	3	3	1	3	2	1	1	4	5	1	80	May
June	7	5	7	7	5	6	5	6	6	6	4	4	3	3	3	8	3	4	5	1	3	2	2	105	June
July	8	13	10	6	12	4	2	8	7	2	5	10	6	3	4	4	4	5	8	6	7	5	5	144	July
August	7	7	1	11	7	4	5	9	5	4	3	11	5	6	4	4	3	5	2	3	2	3	6	117	August
September	7	4	9	1	8	7	5	8	2	5	4	5	3	8	5	6	9	5	4	8	6	5	2	126	September
October	4	8	7	8	5	10	7	7	3	5	5	9	3	3	6	2	6	4	3	2	4	3	8	122	October
November	10	8	7	5	4	5	3	3	6	5	9	7	7	5	6	9	6	10	6	5		2	3	131	November
December	8	5	5	6	2	10	4	9	8	4	2	5	3	4	4	2	3	6	3	1	3	8	4	109	December
total	85	73	70	65	73	59	60	77	65	56	56	85	61	53	49	54	53	58	51	44	45	53	47	1,392	total

Prefecture of fatal accidents in agriculture 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	8	6	8	8	7	7	11	8	6	10	3	12	6	5	5	5	5	7	7	8	10	4	4	160	Hokkaido
Aomori	2	1	1	1	1	2	1	2	2	1		1	1						4	1	2	1	2	26	Aomori
Iwate	5	2	4	1	1	4		4	3	2	4	4	5	1	3		3	5	4	2		5	5	67	Iwate
Miyagi	1	2				1	1		1		2	1	3			1		1		2	2	3		21	Miyagi
Akita	3	3		7	4		3	3	3	1	1			3	3		4	1	1	3	1	3	1	48	Akita
Yamagata		1						2		1				1			3			1	1			10	Yamagata

Fukushima	2	1	2	1		2	1	1		1	2	1	2	2	4	2	1	1		1	1	4	2	34	Fukushima
Ibaraki		2		4	1		2	2	1	1	1	2		2	1		2		1			1	1	24	Ibaraki
Tochigi	2		1	3	3	1				2	1		1			1	2	1						18	Tochigi
Gunma			2	2	1	2	1		3		2	4		2		1		1	2	3	1	1		28	Gunma
Saitama		2	2	1	1	1		1	1		1	2	1	1	1			1	1	3		1		21	Saitama
Chiba	1		3	1		1		2	1	1			3	1	1			1	1				3	20	Chiba
Tokyo	2	2	4		2		3	1	2		2	3		2		2	2	2		2		1	4	36	Tokyo
Kanagawa		3	1		1	1	2	3	1	1	3	2	2		1	1	2	1		1		2		28	Kanagawa
Niigata		2	1	3			1		1		1	2	3	1				1			3		1	20	Niigata
Toyama	2	1	1	1	1	1	1	1		1	1				1							2		14	Toyama
Ishikawa	2	1	2	1	1		3	1		1		3				1	2			1			1	20	Ishikawa
Fukui	3	2		2			1	1	1	2	1		1	1	2		1		1	2			1	22	Fukui
Yamanashi		1		3	2		1	1					1	2		1	2	1						15	Yamanashi
Nagano	5	5	2		3	3		5		4	1	3	1	1	6	2		1	1	2	1	3	1	50	Nagano
Gifu	3	1	1	2	4	1	1	1			2	2					2	2	3		1	1	1	28	Gifu
Shizuoka	3	2	4	3	2	1	2	5	3			4	6	2		2	1		2	2	1	1	1	47	Shizuoka
Aichi	1	1	1	1	2	2	1	2		2		1	1	1	1		1	2	3		1	1	2	27	Aichi
Mie	3	1	5	1	2	1	1	2	1	3	1	1		2	2			3	1	1	1			32	Mie
Shiga		1		1	1		1						1	1		3					2	1		12	Shiga
Kyoto	1			1	2	3		1	1	1	3	3		1	1	1	1	1					1	22	Kyoto
Osaka			2			1	1	1	1	3	2	1		2				2				2		18	Osaka
Hyogo	1	2	3	2	1	1		3	6	2		3	2	1	1	4	2			1	1	1		37	Hyogo
Nara	8		2	1	2	2	1	2	4	2	1	1	1			1	1		2	1	1	1		34	Nara
Wakayama	2	1	3	1	2	1		2	1		1	1				2		1				1	2	21	Wakayama

Tottori		1			1	1	1	1			1		2			1	2					1		12	Tottori		
Shimane	1	3		2	2		1	1	1		2	3	2	1		1		1	1		1			23	Shimane		
Okayama	2	3	4	1	1	2	4	1	1	1	1			2	2		3	1		1	2			32	Okayama		
Hiroshima	4	1	2		1	2	2			1		3		1	1			2	1				2	23	Hiroshima		
Yamaguchi		2	1	1		2	1	2					1				1	1					2		14	Yamaguchi	
Tokushima	1	1			1	1		1	1		2	3	2			2			1						16	Tokushima	
Kagawa	1						1									1										3	Kagawa
Ehime	1	1	1	2	2	1		3	2	1	2	3	2	3				3	1					1	29	Ehime	
Kochi	3		1	1	3	4	1	1	4		3	1	1	1	1	4	1	1	3	1	1	3	1	40	Kochi		
Fukuoka	1		1		1	2	1	1	1	1		3	1	1		4			2			2			22	Fukuoka	
Saga		2	1					1	1	1	2	2	2			1										13	Saga
Nagasaki	1	1	1		2			1				3	1		1			1	1							13	Nagasaki
Kumamoto	4	2	2		1	1			2	2	2	1	2	2	2	3	1	1	1		2		3	34	Kumamoto		
Oita	2	3		1	1	1	2	3	1	2	1		1	2			1	2		1	2	2			28	Oita	
Miyazaki	2	2	1	4	6		3	3	5	3	3	4	2	1	6	4	3	3	5	1	5	1	2	69	Miyazaki		
Kagoshima	2	5		1	4	2	2	1	3	2	1	1	1	4	3	2	3	5	1	3	2	2	5	55	Kagoshima		
Okinawa						1	1					1				1	1	1								6	Okinawa
total	85	73	70	65	73	59	60	77	65	56	56	85	61	53	49	54	53	58	51	44	45	53	47	1,392	total		

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