

TABLE 18

## Importance of copyrights, trade secrets, and nondisclosure agreements for companies with 1–4 employees, by industry: 2016

(Percent)

Industry	NAICS code	Copyrights			Trade secrets			Nondisclosure agreements		
		Very important	Somewhat important	Not important	Very important	Somewhat important	Not important	Very important	Somewhat important	Not important
All industries	21–23, 31–33, 42–81	19.9	20.8	59.2	34.7	23.0	42.3	43.4	29.2	27.4
Manufacturing industries	31–33	14.6	17.6	67.8	45.6	19.4	34.9	43.2	21.5	35.3
Food	311	D	D	D	D	D	D	D	D	D
Beverages and tobacco products	312	D	D	D	D	D	D	D	D	D
Textiles, apparel, and leather products	313–16	D	D	D	D	D	D	D	D	D
Wood products	321	D	D	D	D	D	D	D	D	D
Paper	322	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Printing and related support activities	323	60.0	D	D	D	D	D	D	D	D
Petroleum and coal products	324	D	D	D	D	D	D	D	D	D
Chemicals	325	10.4	11.4	78.2	60.0	23.7	16.4	66.1	24.6	9.2
Basic chemicals	3251	D	D	D	D	D	D	D	D	D
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	D	D	58.8	D	D	16.7	55.6	27.8	16.7
Pesticides, fertilizers, and other agricultural chemicals	3253	D	D	D	D	D	D	D	D	D
Pharmaceuticals and medicines	3254	14.8	15.8	69.4	44.8	13.9	41.4	42.1	39.9	18.0
Soaps, cleaning compounds, and toilet preparations	3256	D	D	D	D	D	D	D	D	D
Paints, coatings, adhesives, and other chemicals	3255, 3259	21.6	D	D	65.1	18.7	16.2	D	D	13.2
Plastics and rubber products	326	D	D	D	D	D	D	D	D	D
Nonmetallic mineral products	327	D	D	D	D	D	D	D	D	D
Primary metals	331	D	D	D	D	D	D	D	D	D
Fabricated metal products	332	13.0	12.8	74.2	45.3	12.3	42.4	41.1	20.5	38.4
Machinery	333	D	D	74.3	41.2	16.5	42.4	48.4	22.9	28.6
Agricultural implements	33311	D	D	D	D	D	D	D	D	D
Semiconductor machinery	333242	D	D	D	D	D	D	D	D	D
Engines, turbines, and power transmission equipment	3336	D	D	D	D	D	D	D	D	D
Other machinery	other 333	D	D	79.9	32.2	D	D	40.1	D	D
Computer and electronic products	334	18.7	35.6	45.7	56.4	20.8	22.7	51.3	25.7	23.0
Communications equipment	3342	21.8	27.4	50.9	43.7	25.5	30.8	38.2	34.6	27.2
Semiconductors and other electronic components	3344	12.1	38.5	49.4	67.1	10.7	22.2	64.4	22.2	13.4



TABLE 18

## Importance of copyrights, trade secrets, and nondisclosure agreements for companies with 1–4 employees, by industry: 2016

(Percent)

Industry	NAICS code	Copyrights			Trade secrets			Nondisclosure agreements		
		Very important	Somewhat important	Not important	Very important	Somewhat important	Not important	Very important	Somewhat important	Not important
Software publishers	5112	37.7	32.0	30.3	48.6	23.6	27.8	44.6	33.4	22.0
Telecommunications	517	D	D	D	D	D	D	D	D	D
Data processing, hosting, and related services	518	23.8	23.4	52.7	41.4	29.3	29.3	47.3	23.4	29.3
Other information	other 51	33.3	33.3	33.5	D	D	45.7	D	D	37.4
Finance and insurance	52	D	D	D	D	D	D	66.7	D	D
Real estate and rental and leasing	53	D	D	D	D	D	D	D	D	D
Lessors of nonfinancial intangible assets (except copyrighted works)	533	D	D	D	D	D	D	D	D	D
Other real estate and rental and leasing	other 53	D	D	D	D	D	D	D	D	D
Professional, scientific, and technical services	54	20.3	21.2	58.5	31.0	22.6	46.4	43.5	29.8	26.7
Architectural, engineering, and related services	5413	15.3	10.9	73.8	33.2	20.8	46.0	34.5	31.9	33.5
Computer systems design and related services	5415	23.2	25.8	51.1	31.4	23.5	45.1	44.9	31.3	23.8
Scientific research and development services	5417	12.1	22.1	65.8	48.7	16.1	35.1	59.8	23.4	16.8
Biotechnology research and development	541711	12.4	29.4	58.2	62.3	12.2	25.5	71.1	20.1	8.7
Physical, engineering, and life sciences (except biotechnology) research and development	541712	10.8	18.5	70.7	45.5	18.2	36.3	57.3	24.2	18.5
Social sciences and humanities research and development	541720	21.8	21.8	56.4	15.2	15.9	68.9	30.1	30.8	39.1
Other professional, scientific, and technical services	other 54	21.1	20.7	58.2	26.0	23.8	50.2	42.1	28.9	29.0
Health care services	621–23	D	D	78.5	D	D	57.0	D	D	32.8
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	D	D	D	D	D	17.3	D	D	D

D = data withheld to avoid disclosing operations of individual companies.

NAICS = 2012 North American Industry Classification System.

**Note(s)**

Detail may not add to total because of rounding. Industry classification based on sample NAICS code. Statistics are representative of companies located in the United States that performed or funded R&D.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Microbusiness R&D and Innovation Survey, 2016.