

# North Carolina Department of Revenue

## Research and Development Credits Taken

### Article 3F

Processed during Calendar Year 2017

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
3GTMS, Inc.	0	0	100	0	0	100
Accuray Incorporated	0	0	3,854	0	0	3,854
ACI Worldwide Corp.	0	31,094	0	0	0	31,094
Adams, Michael J.	0	0	6,587	0	0	6,587
Aerie Pharmaceuticals, Inc.	0	0	0	32,567	0	32,567
AKG of America, Inc.	0	0	12,553	0	0	12,553
Aldagen, Inc.	0	0	0	54	0	54
Allergan Sales, LLC	0	0	199,984	0	32,191	232,175
Allied Telesis Capital Corp.	0	0	20,112	0	0	20,112
Allscripts Software, LLC	0	0	17,837	0	0	17,837
Altra Industrial Motion Corp.	0	0	2,136	0	0	2,136
Amano Pioneer Eclipse Corp.	0	10,061	0	0	0	10,061
Amcor Packaging USA, Inc.	0	0	6,893	0	0	6,893
Amec Foster Wheeler Environment & Infrastructure	0	0	13,483	0	0	13,483
American & Efird US Holdings, Inc.	0	0	8,328	0	0	8,328
American Truetzschler, Inc.	0	0	1,970	0	0	1,970
Americhem, Inc.	0	0	13,746	0	0	13,746
Ameritech Die & Mold, Inc.	0	0	2,144	0	0	2,144
Analog Devices, Inc.	0	27,581	0	0	0	27,581
Apke, Michael S.	0	0	1,472	0	0	1,472
Applied Micro Circuits Corp.	0	147	0	0	0	147

## Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Applied Quantum Technologies, Inc.	0	0	160	0	0	160
Arch Biosurgery, Inc.	0	0	100	0	0	100
Arius Pharmaceuticals, Inc.	0	0	100	0	0	100
Aurobindo Pharma USA, Inc.	0	0	4,436	0	0	4,436
Avenir Technologies, Inc.	0	0	100	0	0	100
Avery Dennison FRID Company	0	0	3,444	0	0	3,444
Aviat US, Inc.	0	5,264	0	0	0	5,264
Avid Solutions, Inc.	0	0	1,145	0	0	1,145
Baker Thermal Solutions, LLC	0	0	3,692	0	0	3,692
Baldor Electric Company	0	0	31,069	0	0	31,069
Banner Life Sciences, LLC	0	0	56,698	0	0	56,698
Baric, Robert	0	0	0	1,229	0	1,229
Barnhill III, Robert E.	0	0	1,531	0	0	1,531
Barnhill Jr., Robert E.	0	0	36,528	0	0	36,528
Barnhill, John A.	0	0	1,775	0	0	1,775
Barr Brands International, Inc.	0	0	10,484	0	0	10,484
Basecamp, LLC	0	96	0	0	0	96
BASF Corporation	0	0	135,741	0	0	135,741
BASF Plant Science, LP	0	0	195,455	0	0	195,455
Batts, Inc.	0	0	111	0	0	111
Bayer Corp.	0	0	1,076,474	0	0	1,076,474
Bayer CropScience Holding, Inc.	0	0	1,927	0	0	1,927
Beck, Mark D.	0	0	6,413	0	0	6,413
Becton Dickinson and Company	0	0	270,492	0	24,222	294,714
Belk Administration Co.	0	0	22,155	0	0	22,155
Belk International, Inc.	0	0	15,663	0	0	15,663

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Bemis Manufacturing Co.	0	0	21,755	0	0	21,755
Berkshire Corporation	0	0	9,122	0	0	9,122
Bertram, Howard L.	0	0	6,637	0	0	6,637
Bestco, Inc.	0	0	3,371	0	0	3,371
Bijur Delimon International, Inc.	0	0	2,578	0	0	2,578
BioCryst Pharmaceuticals, Inc.	0	0	597	0	0	597
bioMASON, Inc.	0	0	0	667	0	667
Bioventus, LLC	0	0	19,141	0	0	19,141
BMC East, LLC	0	0	1,361	0	0	1,361
Bomgardner, Eric D.	0	36	0	0	0	36
Bourn, Jeffrey E.	0	66	0	0	0	66
Bowen III, James T.	0	0	0	2,555	0	2,555
Brady, Joseph D.	0	0	0	21,708	0	21,708
Brass-Craft Manufacturing Co.	0	0	636	0	0	636
Bridges, Danny B.	0	0	1,003	0	0	1,003
Bridgestone Americas, Inc.	0	0	434,543	0	0	434,543
Bright View Technologies Corp.	0	0	2,749	0	0	2,749
Brockway, Christopher	0	0	0	7,874	0	7,874
Brown, Andrew V.	0	0	0	31,748	0	31,748
Brown, Barry D.	0	0	7,457	0	0	7,457
Brumley South Robotics, Inc.	0	0	0	100	0	100
Bruner, Jeffrey W.	0	0	28,312	0	0	28,312
BSN Medical, Inc.	0	53,018	0	0	0	53,018
Buckner, Harry B.	0	0	1,460	0	0	1,460
Buff III, Peter M.	0	0	14,076	0	0	14,076
Butler III, Sam M.	0	11,088	0	0	0	11,088

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Byers, Roger M.	0	0	830	0	0	830
C R Onsrud, Inc.	0	0	12,408	0	0	12,408
Calico Technologies, Inc.	0	0	137	0	0	137
Campbell Mfg 1 Co.	0	4,225	0	0	0	4,225
Cane Creel Cycling Components, Inc.	0	0	1,684	0	0	1,684
Canines, Inc.	0	0	0	100	0	100
Caraustar Industries, Inc.	0	0	100	0	0	100
CareFusion 2200, Inc.	0	0	7,621	0	0	7,621
CareFusion 303, Inc.	0	0	3,531	0	0	3,531
Cargill, Inc.	0	0	1,793	0	0	1,793
Cascade Die Casting Group, Inc.	0	0	8,717	0	0	8,717
Cashion, Jeffrey L.	0	9,210	0	0	0	9,210
Castle Worldwide, Inc.	0	0	646	0	0	646
Caterpillar, Inc.	0	0	280,373	0	0	280,373
Chapman, Douglas G.	0	0	982	0	0	982
Charter Communications, Inc.	0	0	16,181	0	0	16,181
Chimerix, Inc.	0	0	148,326	0	0	148,326
Cimtec Automation, LLC	0	0	509	0	0	509
Cisco Systems, Inc.	0	0	1,582,318	0	0	1,582,318
Citrix Systems, Inc.	0	0	195,885	0	0	195,885
Civatech Oncology, Inc.	0	0	0	228	0	228
Clarcor EM Holdings, Inc.	0	0	0	0	0	915
Clark Equipment Company	0	0	53,095	0	0	53,095
Clawson, Scott G.	0	0	172	0	0	172
Clearside Biomedical, Inc.	0	0	0	507	0	507
Clements, James F.	0	0	1,252	0	0	1,252

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Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
CM Capital Venture Trust 4A	0	0	2,900	0	0	2,900
CM Capital Venture Trust 4B	0	0	2,900	0	0	2,900
Cobey, Gray M.	0	0	0	187	0	187
Commscope Inc. of North Carolina	0	0	81,259	0	0	81,259
Commscope Technologies, LLC	0	0	5,484	0	0	5,484
Conley, Thomas G.	0	0	13,274	0	0	13,274
Conley, Timothy R.	0	0	8,231	0	0	8,231
Cook, Inc.	0	0	30,424	0	0	30,424
Corcept Therapeutics, Inc.	0	0	2,134	0	0	2,134
Cortina Systems, Inc.	0	0	747	0	0	747
Covidien US Holdings, Inc.	0	0	32	0	0	32
Craig, William E.	0	0	0	1,212	0	1,212
Craze, Craig	0	0	2,537	0	0	2,537
Crystal IS, Inc.	0	0	74	0	0	74
CV Industries, Inc.	0	28,774	2,654	0	0	31,428
Cyril Bath Company	0	0	106,722	0	0	106,722
Dale, David L.	0	0	13,609	0	0	13,609
Dana Holding Corp.	*	*	*	*	*	10,245
Daniels, Frank	*	*	*	*	*	2,337
Dara Therapeutics, Inc.	0	0	0	100	0	100
Dave, Alvin J.	0	0	29,294	0	0	29,294
Dave, Jeffrey E.	0	0	24,999	0	0	24,999
Deere & Company	0	0	151,665	0	0	151,665
DeFeet International, Inc.	*	*	*	*	*	574
Deline, Jonathan E.	*	*	*	*	*	5,558
Desai, Viren D.	*	*	*	*	*	29,014

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Desrochers, Jonathan V.	0	0	5	0	0	5
Devins, Walter J.	0	1,706	0	0	0	1,706
Digital Cyclone, Inc.	0	0	797	0	0	797
Dole Food Company, Inc.	0	0	12,887	0	0	12,887
Dome GmbH & Co. KG	0	30,323	0	0	0	30,323
Dorel Home Furnishings, Inc.	0	0	1,051	0	0	1,051
Dowd, Michael T.	0	0	1,963	0	0	1,963
Duke Energy Ohio, Inc.	0	8,733	0	0	0	8,733
Durand, Peter T.	0	0	770	0	0	770
D-Wise Technologies, Inc.	0	0	1,369	0	0	1,369
ECR Software Corp.	0	0	8,010	0	0	8,010
Efird, Martin L.	0	0	2,655	0	0	2,655
Eli Lilly and Company	0	0	44,399	0	7,015	51,414
Elmo, John J.	0	0	0	5,246	0	5,246
eMinor, Inc.	0	0	100	0	0	100
Emporos Systems Corp.	0	0	0	364	0	364
Entegriion, Inc.	0	0	100	0	0	100
Entera Health, Inc.	0	0	100	0	0	100
Enterprises Holdings, Inc.	0	0	611	0	0	611
Envisia Therapeutics, Inc.	0	0	941	0	0	941
EPC-Columbia, Inc.	*	*	*	*	*	2,338
Epic Games, Inc.	0	0	3,874	0	0	3,874
Ericsson, Inc.	0	0	14,983	0	0	14,983
Ethan Allen Operations, Inc.	0	0	12,763	0	0	12,763
Etimex USA, Inc.	0	0	3,648	0	0	3,648
EV3, Inc.	0	0	218	0	0	218

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Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Extreme Networks, Inc.	0	0	17,877	0	0	17,877
Falcon Strategic Partners IV (Cayman), LP	*	*	*	*	*	100
Farris, Bryan K.	0	0	3,053	0	0	3,053
Farris, Greg S.	0	0	1,043	0	0	1,043
FDH Services, Inc.	0	0	913	0	0	913
First Advantage Background Services Corp.	0	0	100	0	0	100
Fisher, Maxwell E.	0	0	209	0	0	209
Fitzgerald, Jeff C.	0	0	6,848	0	0	6,848
Flow Sciences, Inc.	0	0	5,832	0	0	5,832
FM Systems, Inc.	0	0	179	0	0	179
Foster, Arthur M.	0	0	0	8,465	0	8,465
Freedom Group, Inc.	0	2,309	0	0	0	2,309
Freer, Peter A.	0	0	0	20,953	0	20,953
Frost Converting Systems, Inc.	0	0	1,274	0	0	1,274
Frost, Robert L.	0	0	8,021	0	0	8,021
Fuel Tech, Inc.	0	0	722	0	0	722
FUJIFILM Diosynth Biotechnologies USA, Inc.	0	0	77,300	0	0	77,300
Furniture Row, LLC	0	0	1,042	0	0	1,042
Futures, Inc.	0	0	100	0	0	100
Futurewei Technologies, Inc.	0	0	32,682	0	2,324	35,006
G C Development Corp.	0	0	100	0	0	100
G1 Therapeutics, Inc.	0	0	31,908	0	0	31,908
Galloway, Mark A.	0	0	2	0	0	2
Gambrell, Robert M.	0	0	1,011	0	0	1,011
Garner, Daryl E.	0	0	64	0	0	64
Gate Precast Company	0	0	6,098	0	0	6,098

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Gaunt, Martin	0	0	4,752	0	0	4,752
Gibbs, Coy R.	0	0	100,574	0	0	100,574
Gibbs, Jason D.	0	0	95,905	0	0	95,905
Gibbs, Joe J.	0	0	1,368	0	0	1,368
Gibbs, Lawrence F.	0	0	2,549	0	0	2,549
Gilead Sciences, Inc.	0	0	181,044	0	0	181,044
GK Holdings, Inc.	0	0	2,672	0	0	2,672
Glasheen, John J.	0	0	23,989	0	0	23,989
Glen Raven, Inc.	0	0	23,221	0	0	23,221
Global Specimen Solutions, Inc.	0	0	0	100	0	100
GlobalFoundries US, Inc.	*	*	*	*	*	15,058
Golden Corral Corp.	0	0	4,016	0	0	4,016
Gomez, Javier	0	0	0	8,600	0	8,600
Gordon, Michael S.	0	1,521	0	0	0	1,521
GreatData.Com, Inc.	0	0	0	257	0	257
Griffin Jr., David H.	0	0	112,084	0	0	112,084
Groat, Robert B.	0	0	0	1,107	0	1,107
Grossman, Brian	0	0	26	0	0	26
GW Pharmaceuticals, Inc.	0	0	26,806	0	0	26,806
Hall III, J. Campbell	0	56,265	0	0	0	56,265
Hall IV, John C.	0	5,526	0	0	0	5,526
HanesBrands, Inc.	0	0	485,084	0	0	485,084
Hart, Robert E.	0	0	8,847	0	0	8,847
Hawkins, Paul David	0	0	2,853	0	0	2,853
Heat Biologics 1, Inc.	0	0	100	0	0	100
Heat Biologics, Inc.	0	0	0	25,801	0	25,801



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Helix3, Inc.	*	*	*	*	*	123
Henkel Corporation	0	0	32,981	0	0	32,981
Henniges Automotive North Carolina, Inc.	0	37,513	0	0	0	37,513
Henry, William S.	0	0	824	0	0	824
Herrmann International, Inc.	0	565	0	0	0	565
Herstad, Daniel L.	0	0	618	0	0	618
Hewlett-Packard Co.	0	0	1,686	0	0	1,686
HexaTech, Inc.	0	0	565	0	0	565
Hill-Rom Manufacturing, Inc.	0	0	58,463	0	0	58,463
Hitachi America, Ltd.	0	168,839	0	0	0	168,839
Hollenbach, John D.	0	0	0	1,959	0	1,959
Hollingsworth, Jeffrey R.	0	10,632	0	0	0	10,632
Hollingsworth, Randall W.	0	24,044	0	0	0	24,044
Holt, John A.	0	0	297	0	0	297
Holt, Michael M.	0	0	831	0	0	831
Holt, Ralph M.	0	0	21	0	0	21
Honda R&D Americas, Inc.	0	0	13,022	0	0	13,022
Honeywell International, Inc.	0	0	6,444	0	0	6,444
House Autry Mills, Inc.	0	0	3,968	0	0	3,968
Huckabee, Mark R.	0	0	5	0	0	5
Humacyte, Inc.	0	0	0	19,590	0	19,590
Husqvarna Professional Products, Inc.	0	0	47,272	0	0	47,272
Hutton, Warren A.	0	0	157	0	0	157
HyperBranch Medical Technology, Inc.	0	0	490	0	0	490
I Kruger, Inc.	0	0	6,660	0	0	6,660
ImagingElements, LLC	0	0	0	624	0	624

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Inanovate, Inc.	*	*	*	*	*	100
Indian Head Industries, Inc.	0	0	5,663	0	0	5,663
INI Power Systems, Inc.	0	0	484	0	0	484
Inmar Analytics, Inc.	*	*	*	*	*	100
Innerdyne, Inc.	0	0	61	0	0	61
Inphi Corporation	0	0	9,052	0	0	9,052
Instancy, Inc.	0	0	0	672	0	672
Integrated Device Technology, Inc.	0	0	3,507	0	0	3,507
International Business Machines Corp.	0	0	1,276,218	0	0	1,276,218
International Rectifier Corporation	0	0	17,317	0	0	17,317
Internet Pipeline, Inc.	0	0	4,171	0	0	4,171
Isagro USA, Inc.	0	0	242	0	0	242
ITG Brands Holdpartner, LP	0	0	225,641	0	3,600	229,241
ITI of Nebraska, Inc.	0	0	649	0	0	649
Itron, Inc.	0	0	151,461	0	0	151,461
Ixia, Inc.	0	0	45,255	0	0	45,255
IXL Learning, Inc.	0	0	3,214	0	0	3,214
Jack Henry Services, Inc.	0	0	36,388	0	0	36,388
Jain, Deepak	0	0	0	152	0	152
Janas, Mark R.	0	0	0	1,489	0	1,489
Jason, Inc.	0	0	4,023	0	0	4,023
Johnson Controls, Inc.	0	0	3,025	0	0	3,025
Johnson, Daniel J.	0	0	1,095	0	0	1,095
Johnson, Mark L.	0	0	684	0	0	684
Johnston, Alex W.	0	0	1	0	0	1
Kaba Ilco Corp.	0	4,888	0	0	0	4,888

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KAO Chemicals Americas Corp.	0	0	15,964	0	0	15,964
Keenan, Daniel F.	0	0	4,890	0	0	4,890
Kelly, Robert M.	0	0	0	537	0	537
Kendrion (Shelby), Inc.	0	0	0	33	0	33
Kewaunee Scientific Corp.	0	0	17,614	0	0	17,614
Kimley Horn & Associates, Inc.	0	0	4,786	0	0	4,786
King, Timothy L.	0	0	19,747	0	0	19,747
Kirlin Acquisition, Inc.	0	0	6,378	0	0	6,378
Klaussner Furniture Industries, Inc.	0	0	48,210	0	0	48,210
Kordsa, Inc.	0	18,805	0	0	0	18,805
Kungl, Daniel J.	0	0	4,839	0	4,451	9,290
Kupferman, Matthew	0	0	4,944	0	0	4,944
Kura Oncology, Inc.	*	*	*	*	*	413
Laitram Group, Inc.	0	0	692	0	0	692
Lambda Technologies, Inc.	0	0	550	0	0	550
Lear, Boyce M.	0	0	0	6,963	0	6,963
Lee, Scott H.	*	*	*	*	*	165
LendingTree, LLC	0	0	86,970	0	0	86,970
Lenovo (United States), Inc.	0	0	1,261,632	0	0	1,261,632
Leveille, John P.	0	0	788	0	0	788
Levy, Adam S.	0	0	1,636	0	0	1,636
Liberty Hardware Mfg. Corp.	0	0	866	0	0	866
Life Design Systems, Inc.	0	0	1	0	0	1
Limco-Piedmont, Inc.	0	0	2,418	0	0	2,418
Linear Technology Corp.	0	0	89,264	0	0	89,264
Liquidia Technologies, Inc.	0	0	4,600	0	0	4,600

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London, Irving L.	0	0	69,788	0	0	69,788
Loparex USA, LLC	0	2,619	0	0	0	2,619
Lord Corporation	0	0	52,325	0	0	52,325
Lovingood, Andy C.	0	0	1,963	0	0	1,963
Ludlow Technical Products Corp.	0	0	90	0	0	90
Lundbeck NA, Ltd.	0	0	0	29,048	0	29,048
MacDonald, Kevin T.	0	0	2,500	0	0	2,500
MAC FAB Company, Inc.	0	0	1,143	0	0	1,143
Mack Molding Co.	0	0	28,063	0	0	28,063
Mack Trucks, Inc.	0	0	38,931	0	0	38,931
Majeed, Khalid	0	0	1,489	0	0	1,489
Mallard Creek Polymers, Inc.	0	0	10,666	0	0	10,666
Mallinckrodt ARD, Inc.	0	0	3,047	0	0	3,047
Mantissa Corp.	0	0	395	0	0	395
Marconi, Robert C.	0	0	0	6,703	0	6,703
Martel, Mark C.	0	856	0	0	0	856
Mary Gut Trust FBO Michelle Gut Lobel	0	0	80	0	0	80
Mary Gut Trust FBO Steven Gut	0	0	16	0	0	16
Mary Gut Trust Fund	0	0	13	0	0	13
Maxim Integrated Products, Inc.	0	0	12,466	0	0	12,466
Mayne Pharma, Inc.	0	0	90,340	0	0	90,340
Mayo, Byron R.	0	4,295	0	0	0	4,295
McCormick, James B.	0	0	26,313	0	0	26,313
McVeigh & Magnum Engineering, Inc.	0	0	732	0	0	732
MDeverywhere, Inc.	0	0	174	0	0	174
Measurement, Inc.	0	0	17,661	0	0	17,661

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Medfusion, Inc.	0	0	11,926	0	0	11,926
MercuryGate International, Inc.	0	0	3,505	0	0	3,505
Meryx, Inc.	0	0	0	100	0	100
Metal Technologies of Murfreesboro, Inc.	0	2,421	0	0	0	2,421
Metametrics, Inc.	0	0	7,992	0	0	7,992
Micell Technologies, Inc.	0	0	0	2,576	0	2,576
Mickey Truck Bodies, Inc.	0	0	43,403	0	0	43,403
Midatech Pharma US, Inc.	*	*	*	*	*	829
Middleby Marshall, Inc.	0	0	9,195	0	0	9,195
Midrex Technologies, Inc.	0	0	12,628	0	0	12,628
Miller Brewing Company	0	42,792	0	0	0	42,792
Miller Products, Inc.	0	0	830	0	0	830
MillerCoors, LLC	0	17,139	0	0	0	17,139
Milliken & Company	0	10,144	0	0	0	10,144
Miri, Seyed Mehdi	*	*	*	*	*	1,500
Mitchell, Benita G.	0	0	58,266	0	0	58,266
Monsanto Company	0	0	62,336	0	0	62,336
Moody, William	0	0	0	358	0	358
Moog, Inc.	0	0	3,574	0	0	3,574
Moore, Jimmy L.	0	0	18,658	0	0	18,658
Morphormics, Inc.	*	*	*	*	*	1,330
Morton, William B.	0	0	944	0	0	944
Morton, William B.	0	0	5,842	0	0	5,842
Mother Murphy's Laboratories, Inc.	0	0	4,367	0	0	4,367
Mozer, Richard W.	0	0	1,619	0	0	1,619
MPS CSK US, Inc.	0	0	17,236	0	0	17,236

**Article 3F – Research and Development Credits Taken**

<b>Taxpayer</b>	<b>Eco Park (\$)</b>	<b>Low Tier (\$)</b>	<b>Other (\$)</b>	<b>Small Business (\$)</b>	<b>University (\$)</b>	<b>Total (\$)</b>
MPS Holdco, Inc.	0	0	18,181	0	0	18,181
M-Spex, LLC	0	0	7,969	0	0	7,969
MTS Systems Corporation	0	0	24,736	0	0	24,736
Mueller Water Products, Inc.	0	0	32,913	0	0	32,913
Multi-Color Corporation	0	0	3,438	0	0	3,438
Murphy, David S.	0	0	1,062	0	0	1,062
Murphy, Gary L.	0	0	1,249	0	0	1,249
Murphy, James A.	0	0	2,183	0	0	2,183
Murphy, James P.	0	0	0	2,313	0	2,313
Murphy, Kermit L.	0	0	561	0	0	561
Murphy, Leslie W.	0	0	208	0	0	208
Murphy, Pamela A.	0	0	1,993	0	0	1,993
Murphy, Robert B.	0	0	1,886	0	0	1,886
Mutter, Colin B.	0	0	3	0	0	3
National Gypsum Services Co.	0	0	19,110	0	0	19,110
NAVEX Global, Inc.	0	0	17,319	0	0	17,319
NDSL, Inc.	0	0	493	0	0	493
Nelson, Deanna J.	0	0	0	2,034	0	2,034
Nelson, Kirk A.	0	0	153	0	0	153
Neogen Corp. and Subsidiaries	0	0	4,844	0	0	4,844
Newport Medical Instruments, Inc.	0	0	11	0	0	11
NextLot, Inc.	*	*	*	*	*	100
Nicira, Inc.	0	0	100	0	0	100
Nimble Storage, Inc.	0	0	3,947	0	0	3,947
Noel, Marc	0	288	0	0	0	288
Nokia Solutions & Networks US, LLC	0	0	538	0	0	538

## Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Nolan, Margaret	0	580	0	0	0	580
Nomaco, Inc.	0	0	7,279	0	0	7,279
Novan, Inc.	0	0	22,294	0	0	22,294
Novartis Pharmaceuticals Corp.	0	0	343,670	0	0	343,670
Novozymes North America, Inc.	0	0	62,249	0	0	62,249
Ocera Therapeutics, Inc.	0	0	100	0	0	100
O'Connell, David J.	0	0	10,218	0	0	10,218
Old Dominion Freight Line, Inc.	0	0	70,813	0	0	70,813
Optical Cable Corporation	*	*	*	*	*	2,649
O'Sullivan, John M.	0	0	8,478	0	0	8,478
Pace, Peter	0	39	0	0	0	39
Paine, Jeffrey L.	*	*	*	*	*	6,344
Parion Sciences, Inc.	0	0	95,280	0	0	95,280
Parker Hannifin Corp.	0	8,375	17,588	0	0	25,963
Patheon Manufacturing Services, LLC	0	0	226,699	0	0	226,699
Patheon Softgels, Inc.	0	0	19,884	0	0	19,884
PCL Civil Constructors, Inc.	0	0	5,770	0	0	5,770
Pfizer Research (NC), Inc.	0	0	25,023	0	0	25,023
Pfizer, Inc.	0	0	305,389	0	0	305,389
Phillips Architecture, PA	0	0	593	0	0	593
Phillips, William M.	0	0	15,938	0	0	15,938
Phononic, Inc.	0	0	0	55,417	0	55,417
Pisgah Laboratories, Inc.	0	0	10,362	0	0	10,362
Plastics Color Corp. of North Carolina	0	4,259	0	0	0	4,259
Polyglot Systems, Inc.	0	0	0	1,998	0	1,998
Poole, Edward J.	0	0	1,018	0	0	1,018

## Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Post Holdings, Inc.	0	0	13,561	0	0	13,561
Pozen, Inc.	0	0	14,701	0	0	14,701
PPD Development, LLC	0	0	354,256	0	0	354,256
PPG Industries, Inc.	0	0	35,424	0	0	35,424
Praxair, Inc.	0	0	13,157	0	0	13,157
Precision BioSciences, Inc.	0	0	2,628	0	0	2,628
Premier Healthcare Solutions, Inc.	0	0	242,288	0	0	242,288
Pro Mach, Inc.	0	7,818	0	0	0	7,818
Procton, Brad I.	0	0	1,742	0	0	1,742
Procton, Bruce E.	0	0	2,908	0	0	2,908
Procton, Cathy P.	0	0	1,867	0	0	1,867
Progress Software Corp.	0	0	50,499	0	0	50,499
Proimos, Diamando E.	0	491	0	0	0	491
Proimos, Panagiotis E.	0	491	0	0	0	491
Proimos, Tryfon E.	0	491	0	0	0	491
Protochips, Inc.	0	0	709	0	0	709
PRSONAS, Inc.	*	*	*	*	*	100
Prytherch, Alun	0	0	3,945	0	0	3,945
Purolator Facet, Inc.	0	0	16,103	0	0	16,103
Putney, Inc.	0	0	959	0	0	959
Pyrotek, Inc.	0	0	7,138	0	0	7,138
Qualcomm Atheros, Inc.	0	0	2,053	0	0	2,053
Qualcomm Innovation Center	0	0	81	0	0	81
Qualcomm Technologies, Inc.	0	0	137,754	0	0	137,754
Railinc Corp.	0	0	47,549	0	0	47,549
Ralph Gut Trust FBO Jeffrey G.	0	0	57	0	0	57



## Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Ralph Gut Trust FBO Michelle Gut Lobel	0	0	86	0	0	86
Ralph Gut Trust FBO Steven Gut	0	0	65	0	0	65
Rambus, Inc.	0	0	32,264	0	0	32,264
Ratani, Abhishek J.	*	*	*	*	*	7
Reactive Systems, Inc.	0	0	1,735	0	0	1,735
Red Valve Company, Inc.	0	6,236	0	0	0	6,236
Rexnord-Zurn Holdings, Inc.	0	0	20,591	0	0	20,591
RF Micro Devices, Inc.	0	0	56,106	0	0	56,106
Ricks, W. Graham	0	0	8,236	0	0	8,236
Risser, Thomas A.	0	0	8,932	0	0	8,932
Riverside Seat Company	0	0	4,009	0	0	4,009
Roark, Billy J.	0	0	981	0	0	981
Roberts Polypro, Inc.	0	4,724	0	0	0	4,724
Rogers, Tim	0	0	1,848	0	0	1,848
Rose Acre Farms, Inc.	0	282,516	0	0	0	282,516
Roses, Allen D.	0	0	17,372	0	0	17,372
Ross, Dennis A.	0	0	155	0	0	155
RxMedic Systems, Inc.	0	0	4,129	0	0	4,129
Sabco Racing, Inc. and Subsidiaries	0	0	1,343	0	0	1,343
Saft America, Inc.	0	0	9,578	0	0	9,578
Sandvik, Inc.	0	0	5,516	0	0	5,516
Sap Labs , LLC	*	*	*	*	*	616
SAS Institute, Inc.	0	0	274,491	0	0	274,491
Sasso, Darrell	0	0	0	269	0	269
Sasso, Theodore	0	0	0	270	0	270
Savage, Robin W.	0	2,000	0	0	0	2,000

## Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Scientific Environmental Design, Inc.	*	*	*	*	*	100
SciQuest, Inc.	0	0	93,013	0	0	93,013
Scott Technologies, Inc.	0	0	197,980	0	0	197,980
Sealy Technology, LLC	0	0	38,903	0	0	38,903
Selee Corporation	0	0	10,917	0	0	10,917
Semprius, Inc.	0	0	34,235	0	0	34,235
Semtech Corporation	0	0	100	0	0	100
Sensus USA, Inc.	0	0	31,441	0	0	31,441
SePRO Corporation	0	0	6,842	0	2,383	9,225
Seqirus, Inc.	0	0	88,341	0	0	88,341
Sequenom, Inc.	0	0	100	0	0	100
Seward, Timothy P.	0	0	49,452	0	0	49,452
Shamrock Environmental Corp.	0	0	1,365	0	0	1,365
Sherrill Jr., Harold W.	0	0	1,026	0	0	1,026
Sherrill, Betty	0	0	2,595	0	0	2,595
Sherrill, Charles T.	0	0	1,041	0	0	1,041
Sherrill, Harold W.	0	0	19,211	0	0	19,211
Sherwood Medical Company, Inc.	0	0	278	0	0	278
Shoeboxed, Inc.	0	0	0	100	0	100
Shuford Yarns Management, Inc.	0	0	955	0	0	955
Siegwerk USA, Inc.	0	0	2,147	0	0	2,147
Siemens Healthcare Diagnostics, Inc.	0	0	1,436	0	0	1,436
Siemens Industry, Inc.	0	0	1,227	0	0	1,227
Siemens PLM Software, Inc.	0	0	60,725	0	0	60,725
Signalscape, Inc.	0	0	1,843	0	0	1,843
SignUpGenius, Inc.	0	0	8,330	0	0	8,330

### Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Simmons, Robert E.	0	0	10,425	0	0	10,425
Simon, Cassandra D.	0	3,813	0	0	0	3,813
Sizemore, William D.	*	*	*	*	*	3
Skyworks Solutions, Inc.	0	0	110,744	0	0	110,744
Sleep to Live Institute, Inc.	0	0	100	0	0	100
SLP IV RV FOI Feeder Corp.	*	*	*	*	*	62
Smith & Nephew OUS, Inc.	0	0	100	0	0	100
Smith, Christopher B.	0	0	3,162	0	0	3,162
Smith, Dana G.	0	0	3,115	0	0	3,115
Smith, Edward C.	0	0	4,957	0	0	4,957
Smith, Lionel R.	0	0	491	0	0	491
Smith, Marvin H.	0	0	2,233	0	0	2,233
Smith, Robert D.	0	0	3,115	0	0	3,115
Snyder Paper Corporation	0	0	9,127	0	0	9,127
Sonim Technologies, Inc.	0	0	100	0	0	100
Southeast Techninventures, Inc.	0	0	0	191	0	191
Specialty Manufacturing, Inc.	*	*	*	*	*	27,392
Spirent Communications, Inc.	0	0	13,237	0	0	13,237
Spove, Steen R.	0	0	84	0	0	84
SPX Corporation	0	0	22,814	0	0	22,814
Spyryx Biosciences, Inc.	0	0	0	4,901	0	4,901
Steele, Linda M.	0	0	1,993	0	0	1,993
Steigerwalt III, George	0	0	1,583	0	0	1,583
Stiefel Research Institute, Inc.	0	0	164,221	0	0	164,221
Storrow, Joel L.	0	0	2,711	0	0	2,711
Strategic Power Systems, Inc.	0	0	163	0	0	163

### Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Strickland, Michael F.	0	0	14,121	0	0	14,121
STS Operating, Inc.	0	0	2,760	0	0	2,760
Sumitomo Electric Lightwave Corp.	0	0	3,645	0	0	3,645
Sumner, Scott T.	0	0	1,660	0	0	1,660
Superior Essex Communications, LP	0	31,395	0	0	0	31,395
Superior Plastics Extrusion Co.	0	0	1,227	0	0	1,227
Superior Tooling, Inc.	0	0	847	0	0	847
Surongo America, Inc.	0	0	0	3,946	0	3,946
Symantec Corporation	0	9,304	0	0	0	9,304
Symitar Systems, Inc.	0	0	1,702	0	0	1,702
Synopsys, Inc.	0	0	34,562	0	0	34,562
Systems & Methods, Inc.	0	0	1,333	0	0	1,333
Sytz, Ronald M.	0	1,447	0	0	0	1,447
T R D USA, Inc.	0	0	10,322	0	0	10,322
TAMC, Inc.	0	0	134	0	0	134
Tanium, Inc.	*	*	*	*	*	11,637
Tavve Software Co.	0	0	100	0	0	100
Team Industries, Inc.	0	0	8,109	0	0	8,109
TearScience, Inc.	0	0	1,389	0	0	1,389
Teeter, Kenneth N.	0	0	11,291	0	0	11,291
Tektone Sound & Signal, Inc.	0	0	0	2,399	0	2,399
Teleflex Medical, Inc.	0	0	6,070	0	0	6,070
Temple, E. Jack	0	0	4,994	0	0	4,994
Temple, Earl J.	0	0	403	0	0	403
Teradata US, Inc.	*	*	*	*	*	5,200
The Ohio Mattress Company	0	0	57,122	0	0	57,122

### Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
The Valspar Corporation & Subs.	0	0	56,078	0	0	56,078
The Vanguard Group, Inc.	0	0	356	0	0	356
Thorburn, Steven J.	0	0	1,168	0	0	1,168
TM Investors, Inc.	0	0	59,833	0	0	59,833
Toner, Jeffrey B.	0	71,345	68,385	0	0	139,730
Topper Jr., Joseph V.	*	*	*	*	*	3,219
Toshiba Global Commerce Solutions, Inc.	0	0	104,052	0	0	104,052
Townsend Jr., W. Douglas	*	*	*	*	*	859
Trans Union, LLC	*	*	*	*	*	5,953
TransEnterix Surgical, Inc.	0	0	0	12,597	0	12,597
TransLoc, Inc.	0	0	2,551	0	0	2,551
TriboFilm Research, Inc.	0	0	1,379	0	0	1,379
TriQuint Sales & Design, Inc.	0	0	21,230	0	0	21,230
Triumfant, Inc.	0	0	100	0	0	100
Triumph Group Operations	0	0	24,820	0	0	24,820
Troy Group, Inc.	0	0	6,237	0	0	6,237
UCB Biosciences, Inc.	0	0	222,417	0	0	222,417
UCB, Inc.	0	0	16,654	0	0	16,654
Ultimus, Inc.	0	0	2,172	0	0	2,172
Umlaut Software, Inc.	0	0	0	100	0	100
Unifi Manufacturing, Inc.	0	0	327,513	0	0	327,513
Unilin North America, LLC	0	13,018	18,502	0	0	31,520
Union Carbide Corporation	0	0	100	0	0	100
US Conec, Ltd.	0	0	60,182	0	0	60,182
Valencell, Inc.	0	0	4,014	0	0	4,014
Valleylab Holding Corp.	0	0	142	0	0	142

**Article 3F – Research and Development Credits Taken**

<b>Taxpayer</b>	<b>Eco Park (\$)</b>	<b>Low Tier (\$)</b>	<b>Other (\$)</b>	<b>Small Business (\$)</b>	<b>University (\$)</b>	<b>Total (\$)</b>
Vander Giessen Jr., James	0	0	8	0	0	8
Vander Giessen, James	0	0	4	0	0	4
Vascular Pharmaceuticals, Inc.	0	0	95	0	5	100
Velocitel, Inc.	0	0	754	0	0	754
Viamet Pharmaceuticals, Inc.	0	0	662	0	0	662
VMware, Inc.	0	0	9,117	0	0	9,117
VNUS Medical Technologies, Inc.	0	0	65	0	0	65
VPS-1, Inc.	0	0	448	0	0	448
VPS-2, Inc.	0	0	0	100	0	100
Wall, Robert E.	0	0	594	0	0	594
Wang, Chonly	0	0	1,025	0	0	1,025
Warasila, John L.	0	0	0	1,284	0	1,284
Wasatch Photonics, Inc.	0	0	3,343	0	0	3,343
Webb, M. Keith	0	0	2,711	0	0	2,711
Wellington, Donald F.	0	0	1,048	0	0	1,048
Wema Americas, LLC	0	0	1,297	0	0	1,297
Westall, Forrest R.	0	0	184	0	0	184
WestRock Company	0	0	1,583	0	0	1,583
WestRock RKT Company	0	0	8,403	0	0	8,403
Wheatstone Corp.	0	0	30,007	0	0	30,007
Whitford, Daniel	0	0	0	3,182	0	3,182
Whitman, Charles B.	0	0	981	0	0	981
Wilbert, Inc.	0	0	39,832	0	0	39,832
Wilhoit, David E.	0	0	25	0	0	25
Williams, Peter	0	0	1	0	0	1
Williams, Robert S.	0	0	0	5,969	0	5,969

## Article 3F – Research and Development Credits Taken

Taxpayer	Eco Park (\$)	Low Tier (\$)	Other (\$)	Small Business (\$)	University (\$)	Total (\$)
Williamson, Charles D.	0	0	2	0	0	2
Wind Solutions, LLC	*	*	*	*	*	1,055
Winslow, Christopher	0	0	1,791	0	0	1,791
Wong, Jen	0	0	0	3,935	0	3,935
Xinray Systems, Inc.	0	0	272	0	0	272
Yale Industrial Products, Inc.	0	17,764	0	0	0	17,764
Yance, Philip R.	0	612	0	0	0	612
Zakus, Inc.	0	0	966	0	0	966
Zaloni, Inc.	0	0	2,848	0	0	2,848
Zinfandel Pharmaceuticals, Inc.	0	0	476	0	0	476
ZTE (TX), Inc.	0	0	4,422	0	0	4,422
<b>Total Credits Taken</b>	<b>0</b>	<b>1,099,601</b>	<b>16,149,437</b>	<b>343,538</b>	<b>76,191</b>	<b>17,804,762</b>

C-Corporations that take income tax credits must reduce the amount of credit in accordance with G. S. 105-130.5(a)(10). This adjustment decreases the total credits taken from the amount shown above by \$316,203.

\*The type of credit could not be determined.

Source: Revenue Research Section, Financial Services Division, North Carolina Department of Revenue

**Procedural Notes:** Information from taxpayer returns, including taxpayer errors and omissions, is shown as reported. All returns are subject to audit. Amounts for any one taxpayer may reflect credits generated in multiple years. Affiliated taxpayers are reported individually.