

NUVEEN INSURED TAX FREE ADVANTAGE MUNICIPAL FUND

Form N-Q

September 29, 2011

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT
COMPANY

Investment Company Act file number 811-21213

Nuveen Insured Tax-Free Advantage Municipal Fund
(Exact name of registrant as specified in charter)

Nuveen Investments
333 West Wacker Drive, Chicago, Illinois 60606
(Address of principal executive offices) (Zip code)

Kevin J. McCarthy
Vice President and Secretary
333 West Wacker Drive, Chicago, Illinois 60606
(Name and address of agent for service)

Registrant's telephone number, including area code: 312-917-7700

Date of fiscal year end: 10/31

Date of reporting period: 7/31/11

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

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Item 1. Schedule of Investments

Portfolio of Investments (Unaudited)
 Nuveen Insured Tax-Free Advantage Municipal Fund (NEA)
 July 31, 2011

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Alabama – 7.1% (4.8% of Total Investments)			
\$ 1,000	Alabama Special Care Facilities Financing Authority, Revenue Bonds, Ascension Health, Series 2006C-2, 5.000%, 11/15/36 (UB)	11/16 at 100.00	AA+	\$ 1,006,630
5,655	Colbert County-Northwest Health Care Authority, Alabama, Revenue Bonds, Helen Keller Hospital, Series 2003, 5.750%, 6/01/27	6/13 at 101.00	Ba1	5,505,595
3,100	Huntsville Healthcare Authority, Alabama, Revenue Bonds, Series 1998A, 5.400%, 6/01/22 (Pre-refunded 5/14/12) – NPPG Insured	5/12 at 102.00	A2 (4)	3,284,450
6,280	Jefferson County, Alabama, Sewer Revenue Capital Improvement Warrants, Series 2002D, 5.000%, 2/01/32 (Pre-refunded 8/01/12) – FGIC Insured	8/12 at 100.00	AAA	6,574,281
1,750	Montgomery, Alabama, General Obligation Warrants, Series 2003, 5.000%, 5/01/21 (Pre-refunded 5/01/12) – AMBAC Insured	5/12 at 101.00	AA+ (4)	1,830,430
4,500	Sheffield, Alabama, Electric Revenue Bonds, Series 2003, 5.500%, 7/01/29 – AMBAC Insured	7/13 at 100.00	Aa3	4,658,580
22,285	Total Alabama			22,859,966
	Arizona – 5.3% (3.6% of Total Investments)			
10,000	Maricopa County Pollution Control Corporation, Arizona, Revenue Bonds, Arizona Public Service Company – Palo Verde Project, Series 2002A, 5.050%, 5/01/29 – AMBAC Insured	11/12 at 100.00	BBB	10,005,800
6,545	Phoenix, Arizona, Civic Improvement Revenue Bonds, Civic Plaza, Series 2005B, 0.000%, 7/01/37 – FGIC Insured	No Opt. Call	AA	5,867,854
1,250	Scottsdale Industrial Development Authority, Arizona, Hospital Revenue Bonds, Scottsdale Healthcare, Series 2006C. Re-offering, 5.000%, 9/01/35 – AGC Insured	9/20 at 100.00	AA+	1,247,338
17,795	Total Arizona			17,120,992
	California – 21.0% (14.2% of Total Investments)			
26,300	California State Public Works Board, Lease Revenue Bonds, Department of General Services, Capital East End Project, Series 2002A, 5.000%, 12/01/27 – AMBAC Insured	12/12 at 100.00	A2	26,023,324
250			A1	250,840

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	California State, General Obligation Bonds, Series 2002, 5.250%, 4/01/30 – SYNCORA GTY Insured	4/12 at 100.00		
5	California State, General Obligation Bonds, Series 2004, 5.000%, 4/01/31 – AMBAC Insured	4/14 at 100.00	A1	5,008
7,495	California State, General Obligation Bonds, Series 2004, 5.000%, 4/01/31 (Pre-refunded 4/01/14) – AMBAC Insured	4/14 at 100.00	AAA	8,397,623
2,910	Cathedral City Public Financing Authority, California, Tax Allocation Bonds, Housing Set-Aside, Series 2002D, 5.000%, 8/01/26 – NPFPG Insured	8/12 at 102.00	A	2,727,310
8,060	Golden State Tobacco Securitization Corporation, California, Enhanced Tobacco Settlement	6/15 at 100.00	A2	7,457,193
250	Asset-Backed Revenue Bonds, Series 2005A, 5.000%, 6/01/35 – FGIC Insured Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2007A-1, 5.125%, 6/01/47	6/17 at 100.00	Baa3	168,473
2,500	Irvine Public Facilities and Infrastructure Authority, California, Assessment Revenue Bonds, Series 2003C, 5.000%, 9/02/23 – AMBAC Insured	9/13 at 100.00	N/R	2,502,350
4,000	Montara Sanitation District, California, General Obligation Bonds, Series 2003, 5.000%, 8/01/28 – FGIC Insured	8/13 at 100.00	AA–	4,041,480
1,130	Plumas County, California, Certificates of Participation, Capital Improvement Program, Series 2003A: 5.250%, 6/01/19 – AMBAC Insured	6/13 at 101.00	A	1,168,522
1,255	5.250%, 6/01/21 – AMBAC Insured	6/13 at 101.00	A	1,287,781
1,210	Redding Joint Powers Financing Authority, California, Lease Revenue Bonds, Capital Improvement Projects, Series 2003A, 5.000%, 3/01/23 – AMBAC Insured	3/13 at 100.00	A	1,212,747
3,750	Sacramento Municipal Utility District, California, Electric Revenue Bonds, Series 2003R, 5.000%, 8/15/28 – NPFPG Insured	8/13 at 100.00	A+	3,781,425
1,500	San Diego Community College District, California, General Obligation Bonds, Series 2003A, 5.000%, 5/01/28 – AGM Insured	5/13 at 100.00	AA+	1,536,675
1,055	Turlock Irrigation District, California, Certificates of Participation, Series 2003A, 5.000%, 1/01/28 – NPFPG Insured	1/13 at 100.00	A	1,055,749
6,300	University of California, General Revenue Bonds, Multi-Purpose Projects, Series 2003A, 5.000%, 5/15/33 – AMBAC Insured (UB)	5/13 at 100.00	AA+	6,318,270
67,970	Total California Colorado – 4.9% (3.3% of Total Investments)			67,934,770
4,300	Bowles Metropolitan District, Colorado, General Obligation Bonds, Series 2003: 5.500%, 12/01/23 – AGM Insured	12/13 at 100.00	AA+	4,633,379

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3,750	5.500%, 12/01/28 – AGM Insured	12/13 at 100.00	AA+	3,845,925
1,450	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Peak-to-Peak Charter School, Series 2004, 5.250%, 8/15/24 – SYNCORA GTY Insured	8/14 at 100.00	A	1,468,575
4,500	Colorado Health Facilities Authority, Colorado, Revenue Bonds, Catholic Health Initiatives, Series 2006C-1, Trust 1090, 15.355%, 10/01/41 – AGM Insured (IF), (5)	4/18 at 100.00	AA+	4,464,450
3,000	E-470 Public Highway Authority, Colorado, Senior Revenue Bonds, Series 2000B, 0.000%, 9/01/30 – NPFG Insured	No Opt. Call	Baa1	817,230
2,900	E-470 Public Highway Authority, Colorado, Toll Revenue Bonds, Series 2004A, 0.000%, 9/01/34 – NPFG Insured	No Opt. Call	Baa1	572,373
19,900	Total Colorado			15,801,932
7,000	District of Columbia – 0.7% (0.4% of Total Investments) Metropolitan Washington Airports Authority, Virginia, Dulles Toll Road Revenue Bonds, Capital Appreciation Series 2009B-2, 0.000%, 10/01/36 – AGC Insured	No Opt. Call	AA+	1,405,810
665	Washington Convention Center Authority, District of Columbia, Senior Lien Dedicated Tax Revenue Bonds, Series 2007, Residuals 1606, 11.736%, 10/01/30 – AMBAC Insured (IF)	10/16 at 100.00	AA+	666,257
7,665	Total District of Columbia			2,072,067
1,000	Florida – 23.2% (15.7% of Total Investments) Bay County, Florida, Water System Revenue Bonds, Series 2005, 5.000%, 9/01/25 – AMBAC Insured	9/15 at 100.00	A1	1,031,060
1,500	Clay County, Florida, Utility System Revenue Bonds, Series 2007: 5.000%, 11/01/27 – SYNCORA GTY (UB)	11/17 at 100.00	AAA	1,554,045
3,000	5.000%, 11/01/32 – SYNCORA GTY (UB)	11/17 at 100.00	AAA	3,052,140
400	Collier County, Florida, Capital Improvement Revenue Bonds, Series 2005, 5.000%, 10/01/23 – NPFG Insured	10/14 at 100.00	AA–	415,956
1,000	Escambia County, Florida, Sales Tax Revenue Refunding Bonds, Series 2002, 5.250%, 10/01/17 – AMBAC Insured	10/12 at 101.00	A+	1,059,850
1,525	Fernandina Beach, Florida, Utility Acquisition and Improvement Revenue Bonds, Series 2003, 5.000%, 9/01/23 – FGIC Insured	9/13 at 100.00	BBB	1,477,862
500	Flagler County, Florida, Capital Improvement Revenue Bonds, Series 2005, 5.000%, 10/01/30 – NPFG Insured	10/15 at 100.00	A	506,630
125	Florida Housing Finance Agency, GNMA Collateralized Home Ownership Revenue Refunding Bonds, Series 1987G-1, 8.595%, 11/01/17	No Opt. Call	AAA	135,746
2,500	Florida State Board of Education, Public Education Capital Outlay Bonds, Series 2008, Trust	No Opt. Call	AAA	2,816,350

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	2929, 17.349%, 12/01/16 – AGC Insured (IF)			
2,240	FSU Financial Assistance Inc., Florida, General Revenue Bonds, Educational and Athletic Facilities Improvements, Series 2004, 5.000%, 10/01/14 – AMBAC Insured	No Opt. Call	Aa3	2,491,910
2,000	Greater Orlando Aviation Authority, Florida, Airport Facilities Revenue Bonds, Series 2002A, 5.125%, 10/01/32 – AGM Insured	10/12 at 100.00	AA+	2,010,480
105	Greater Orlando Aviation Authority, Florida, Airport Facilities Revenue Refunding Bonds, Series 2003A, 5.000%, 10/01/17 – AGM Insured	10/13 at 100.00	AA+	112,543
350	Halifax Hospital Medical Center, Florida, Revenue Bonds, Series 2006, 5.500%, 6/01/38 – AGM Insured	6/18 at 100.00	AA+	354,046
1,765	Highlands County Health Facilities Authority, Florida, Hospital Revenue Bonds, Adventist Health System, Series 2005D, 5.000%, 11/15/35 – NPFG Insured	11/15 at 100.00	AA–	1,718,863
180	Highlands County Health Facilities Authority, Florida, Hospital Revenue Bonds, Adventist Health System, Series 2005D, 5.000%, 11/15/35 (Pre-refunded 11/15/15) – NPFG Insured	11/15 at 100.00	AA– (4)	210,213
3,500	Highlands County Health Facilities Authority, Florida, Hospital Revenue Bonds, Adventist Health System/Sunbelt Obligated Group, Series 2003D, 5.875%, 11/15/29 (Pre-refunded 11/15/13)	11/13 at 100.00	N/R (4)	3,899,595
1,500	Hillsborough County School Board, Florida, Certificates of Participation, Series 2003, 5.000%, 7/01/29 – NPFG Insured	7/13 at 100.00	Aa2	1,514,295
2,270	Jacksonville, Florida, Local Government Sales Tax Revenue Refunding and Improvement Bonds, Series 2002, 5.375%, 10/01/18 – FGIC Insured	10/12 at 100.00	AA+	2,370,743
2,265	Lakeland, Florida, Utility Tax Revenue Bonds, Series 2003B, 5.000%, 10/01/20 – AMBAC Insured	10/12 at 100.00	N/R	2,289,915
1,730	Lee County, Florida, Transportation Facilities Revenue Bonds, Series 2004B, 5.000%, 10/01/22 – AMBAC Insured	10/14 at 100.00	A–	1,778,630
500	Lee Memorial Health System, Florida, Hospital Revenue Bonds, Series 2007A, 5.000%, 4/01/32 – NPFG Insured	4/17 at 100.00	A	460,620
3,000	Marco Island, Florida, Water Utility System Revenue Bonds, Series 2003, 5.000%, 10/01/27 – NPFG Insured	10/13 at 100.00	Aa3	3,040,740
500	Miami-Dade County, Florida, Water and Sewer System Revenue Bonds, Refunding Series 2008B, 5.250%, 10/01/22 – AGM Insured	No Opt. Call	AA+	581,065
2,000	Miami-Dade County, Florida, Water and Sewer System Revenue Bonds, Series 1999A, 5.000%, 10/01/29 – FGIC Insured	10/11 at 100.00	Aa2	2,001,540
2,000	Orange County, Florida, Sales Tax Revenue Bonds, Series 2002A, 5.125%, 1/01/17 – FGIC Insured	1/13 at 100.00	AA	2,099,300
1,500			AA	1,530,180

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	Orange County, Florida, Sales Tax Revenue Bonds, Series 2002B, 5.125%, 1/01/32 – FGIC Insured	1/13 at 100.00		
3,370	Osceola County School Board, Florida, Certificates of Participation, Series 2002A, 5.125%, 6/01/20 (Pre-refunded 6/01/12) – AMBAC Insured	6/12 at 101.00	Aa3 (4)	3,539,174
3,335	Palm Bay, Florida, Local Optional Gas Tax Revenue Bonds, Series 2004, 5.250%, 10/01/20 – NPFPG Insured	10/14 at 100.00	AA–	3,657,828
1,095	Palm Bay, Florida, Utility System Revenue Bonds, Series 2004, 5.250%, 10/01/20 – NPFPG Insured	10/14 at 100.00	Aa3	1,200,996
2,670	Palm Beach County School Board, Florida, Certificates of Participation, Series 2002D, 5.000%, 8/01/28 – AGM Insured	8/12 at 100.00	AA+	2,710,611
1,950	Palm Beach County School Board, Florida, Certificates of Participation, Series 2002D, 5.250%, 8/01/20 (Pre-refunded 8/01/12) – AGM Insured	8/12 at 100.00	AA+ (4)	2,048,514
	Pinellas County Health Facilities Authority, Florida, Revenue Bonds, Baycare Health System, Series 2003:			
2,800	5.750%, 11/15/27 (Pre-refunded 5/15/13)	5/13 at 100.00	Aa3 (4)	3,070,228
3,000	5.500%, 11/15/27 (Pre-refunded 5/15/13)	5/13 at 100.00	Aa3 (4)	3,276,120
1,000	Port Saint Lucie, Florida, Special Assessment Revenue Bonds, Southwest Annexation District 1B, Series 2007, 5.000%, 7/01/33 – NPFPG Insured	7/17 at 100.00	Baa1	859,290
2,115	Port St. Lucie, Florida, Sales Tax Revenue Bonds, Series 2003, 5.000%, 9/01/23 – NPFPG Insured	9/13 at 100.00	A+	2,197,971
1,500	Port St. Lucie, Florida, Stormwater Utility System Revenue Refunding Bonds, Series 2002, 5.000%, 5/01/23 (Pre-refunded 5/01/12) – NPFPG Insured	5/12 at 100.00	Aa3 (4)	1,554,315
450	Port St. Lucie, Florida, Utility System Revenue Bonds, Refunding Series 2009, 5.250%, 9/01/35 – AGC Insured	9/18 at 100.00	AA+	460,805
1,500	South Miami Health Facilities Authority, Florida, Hospital Revenue Bonds, Baptist Health Systems of South Florida, Series 2003, 5.200%, 11/15/28 (Pre-refunded 2/01/13)	2/13 at 100.00	Aaa	1,609,800
1,730	St. John’s County, Florida, Sales Tax Revenue Bonds, Series 2004A, 5.000%, 10/01/24 – AMBAC Insured	10/14 at 100.00	A+	1,781,485
4,000	St. Lucie County School Board, Florida, Certificates of Participation, Master Lease Program, Series 2004A, 5.000%, 7/01/24 – AGM Insured	7/14 at 100.00	AA+	4,087,560
1,200	Tamarac, Florida, Utility System Revenue Bonds, Series 2009, 5.000%, 10/01/39 – AGC Insured	10/19 at 100.00	AA+	1,231,488
1,250	Volusia County Educational Facilities Authority, Florida, Revenue Refunding Bonds, Embry-Riddle Aeronautical University, Series 2003, 5.200%, 10/15/33 – RAAI Insured	10/13 at 100.00	Baa2	1,155,425
71,920	Total Florida			74,955,927

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Georgia – 2.0% (1.3% of Total Investments)				
3,000	Atlanta, Georgia, Water and Wastewater Revenue Bonds, Series 2009B, 5.375%, 11/01/39 – AGM Insured	11/19 at 100.00	AA+	3,082,230
1,410	DeKalb County, Georgia, Water and Sewer Revenue Bonds, Series 2006A, 5.000%, 10/01/35 – AGM Insured	10/16 at 100.00	AA+	1,397,211
1,825	Metropolitan Atlanta Rapid Transit Authority, Georgia, Sales Tax Revenue Bonds, Second Indenture Series 2002, 5.000%, 7/01/32 (Pre-refunded 1/01/13) – NPPFG Insured	1/13 at 100.00	AA+ (4)	1,946,764
6,235	Total Georgia			6,426,205
Illinois – 4.9% (3.3% of Total Investments)				
5,000	Chicago, Illinois, General Airport Revenue Bonds, O’Hare International Airport, Third Lien Refunding Series 2010C, 5.250%, 1/01/35 – AGC Insured	No Opt. Call	AA+	5,093,450
1,635	Cook County School District 145, Arbor Park, Illinois, General Obligation Bonds, Series 2004: 5.125%, 12/01/20 – AGM Insured	12/14 at 100.00	Aa3	1,730,975
1,465	Cook County School District 145, Arbor Park, Illinois, General Obligation Bonds, Series 2004: 5.125%, 12/01/23 – AGM Insured	12/14 at 100.00	Aa3	1,527,585
1,650	5.125%, 12/01/20 – AGM Insured (ETM)	12/14 at 100.00	Aa3 (4)	1,773,981
1,475	5.125%, 12/01/23 – AGM Insured (ETM)	12/14 at 100.00	Aa3 (4)	1,565,226
2,500	Illinois Health Facilities Authority, Revenue Bonds, Lake Forest Hospital, Series 2003, 5.250%, 7/01/23	7/13 at 100.00	AA+	2,547,900
13,300	Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion Project, Capital Appreciation Refunding Series 2010B-1, 0.000%, 6/15/45 – AGM Insured	No Opt. Call	AAA	1,563,548
27,025	Total Illinois			15,802,665
Indiana – 7.1% (4.8% of Total Investments)				
2,500	Evansville, Indiana, Sewerage Works Revenue Refunding Bonds, Series 2003A, 5.000%, 7/01/23 – AMBAC Insured	7/13 at 100.00	A1	2,562,275
2,190	Indiana Bond Bank, Advance Purchase Funding Bonds, Common School Fund, Series 2003B, 5.000%, 8/01/19 – NPPFG Insured	8/13 at 100.00	Baa1	2,307,275
1,860	Indiana Municipal Power Agency, Power Supply Revenue Bonds, Series 2007A, 5.000%, 1/01/42 – NPPFG Insured	1/17 at 100.00	A+	1,849,844
1,000	Indiana University, Student Fee Revenue Bonds, Series 2003O, 5.000%, 8/01/22 (Pre-refunded 8/01/13) – FGIC Insured	8/13 at 100.00	Aaa	1,092,260
	IPS Multi-School Building Corporation, Indiana, First Mortgage Revenue Bonds, Series 2003:			

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11,020	5.000%, 7/15/19 (Pre-refunded 7/15/13) – NPMF Insured	7/13 at 100.00	AA (4)	12,006,731
3,000	5.000%, 7/15/20 (Pre-refunded 7/15/13) – NPMF Insured	7/13 at 100.00	AA (4)	3,268,620
21,570	Total Indiana			23,087,005
	Kansas – 1.7% (1.1% of Total Investments)			
5,000	Kansas Development Finance Authority, Board of Regents, Revenue Bonds, Scientific Research and Development Facilities Projects, Series 2003C, Reg S, 5.000%, 10/01/22 – AMBAC Insured	4/13 at 102.00	AA	5,310,250
	Kentucky – 0.3% (0.2% of Total Investments)			
985	Kentucky State Property and Buildings Commission, Revenue Refunding Bonds, Project 77, Series 2003, 5.000%, 8/01/23 (Pre-refunded 8/01/13) – NPMF Insured	8/13 at 100.00	Aa3 (4)	1,072,970
	Louisiana – 2.4% (1.6% of Total Investments)			
2,000	Louisiana State, Gasoline and Fuels Tax Revenue Bonds, Second Lien Series 2010B, 5.000%, 5/01/45	5/20 at 100.00	AA	2,021,760
5,785	New Orleans, Louisiana, General Obligation Refunding Bonds, Series 2002, 5.300%, 12/01/27 – FGIC Insured	12/12 at 100.00	A3	5,826,536
7,785	Total Louisiana			7,848,296
	Massachusetts – 0.4% (0.2% of Total Investments)			
1,125	Massachusetts Development Finance Authority, Revenue Bonds, Middlesex School, Series 2003, 5.125%, 9/01/23	9/13 at 100.00	A1	1,156,950
	Michigan – 9.7% (6.6% of Total Investments)			
6,130	Detroit, Michigan, Senior Lien Water Supply System Revenue Bonds, Series 2003A, 5.000%, 7/01/23 (Pre-refunded 7/01/13) – NPMF Insured	7/13 at 100.00	A+ (4)	6,673,731
4,465	Detroit, Michigan, Senior Lien Water Supply System Revenue Refunding Bonds, Series 2003C, 5.000%, 7/01/22 – NPMF Insured	7/13 at 100.00	A+	4,499,782
180	Michigan State Hospital Finance Authority, Revenue Bonds, Trinity Health Care Group, Series 2006A, 5.000%, 12/01/31 (Pre-refunded 12/01/16) (UB)	12/16 at 100.00	N/R (4)	214,342
820	Michigan State Hospital Finance Authority, Revenue Bonds, Trinity Health Care Group, Series 2006A, 5.000%, 12/01/31 (UB)	12/16 at 100.00	AA	823,378
10,800	Michigan Strategic Fund, Limited Obligation Resource Recovery Revenue Refunding Bonds, Detroit Edison Company, Series 2002D, 5.250%, 12/15/32 – SYNCORA GTY Insured	12/12 at 100.00	BBB+	10,814,040
2,250	Romulus Community Schools, Wayne County, Michigan, General Obligation Refunding Bonds, Series 2001, 5.250%, 5/01/25	11/11 at 100.00	Aa2	2,264,603
6,500	Wayne County, Michigan, Limited Tax General Obligation Airport Hotel Revenue Bonds, Detroit Metropolitan Wayne County Airport, Series 2001A, 5.000%, 12/01/30 – NPMF Insured	12/11 at 101.00	BBB+	6,119,230
31,145	Total Michigan			31,409,106

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Missouri – 1.0% (0.7% of Total Investments)				
240	Clay County Public School District 53, Liberty, Missouri, General Obligation Bonds, Series 2004, 5.250%, 3/01/24 – AGM Insured	3/14 at 100.00	AA+	259,327
215	Clay County Public School District 53, Liberty, Missouri, General Obligation Bonds, Series 2004, 5.250%, 3/01/23 – AGM Insured	3/14 at 100.00	AA+	232,314
1,110	Clay County Public School District 53, Liberty, Missouri, General Obligation Bonds, Series 2004: 5.250%, 3/01/23 (Pre-refunded 3/01/14) – AGM Insured	3/14 at 100.00	AA+ (4)	1,244,676
1,260	5.250%, 3/01/24 (Pre-refunded 3/01/14) – AGM Insured	3/14 at 100.00	AA+ (4)	1,412,876
2,825	Total Missouri			3,149,193
Nebraska – 1.6% (1.1% of Total Investments)				
5,000	Lincoln, Nebraska, Sanitary Sewerage System Revenue Refunding Bonds, Series 2003, 5.000%, 6/15/28 – NPMFG Insured	6/13 at 100.00	AA+	5,181,850
New Mexico – 0.7% (0.5% of Total Investments)				
1,975	New Mexico State University, Revenue Bonds, Series 2004, 5.000%, 4/01/19 – AMBAC Insured	4/14 at 100.00	AA	2,140,742
New York – 10.0% (6.8% of Total Investments)				
2,020	Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, Series 2006A, 4.500%, 2/15/47 – NPMFG Insured	2/17 at 100.00	A	1,714,899
25,000	Metropolitan Transportation Authority, New York, Transportation Revenue Refunding Bonds, Series 2002F, 5.000%, 11/15/31 – NPMFG Insured	11/12 at 100.00	A	25,099,250
1,850	New York State Urban Development Corporation, Service Contract Revenue Bonds, Series 2005B, 5.000%, 3/15/25 – AGM Insured (UB)	3/15 at 100.00	AAA	1,974,524
3,335	New York State Urban Development Corporation, State Personal Income Tax Revenue Bonds, Tender Option Bond Trust 09-6W, 13.436%, 3/15/37 (IF), (5)	3/17 at 100.00	AAA	3,593,229
32,205	Total New York			32,381,902
North Carolina – 2.2% (1.5% of Total Investments)				
8,700	North Carolina Medical Care Commission, Revenue Bonds, Maria Parham Medical Center, Series 2003, 5.375%, 10/01/33 – RAAI Insured	10/13 at 100.00	BB	7,085,193
Ohio – 0.7% (0.5% of Total Investments)				
65	Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-2: 5.125%, 6/01/24	6/17 at 100.00	Baa3	53,294
710	5.875%, 6/01/30	6/17 at 100.00	Baa3	558,578
685	5.750%, 6/01/34	6/17 at 100.00	Baa3	518,018
1,570	5.875%, 6/01/47		Baa3	1,162,177

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		6/17 at 100.00		
3,030	Total Ohio			2,292,067
	Oklahoma – 0.3% (0.2% of Total Investments)			
1,000	Oklahoma Capitol Improvement Authority, State Facilities Revenue Bonds, Series 2005F, 5.000%, 7/01/24 – AMBAC Insured	7/15 at 100.00	AA	1,075,110
	Oregon – 2.6% (1.8% of Total Investments)			
8,350	Oregon Health Sciences University, Revenue Bonds, Series 2002A, 5.000%, 7/01/32 – NPFPG Insured	1/13 at 100.00	A1	8,365,531
	Pennsylvania – 7.6% (5.1% of Total Investments)			
3,000	Lehigh County General Purpose Authority, Pennsylvania, Hospital Revenue Bonds, St. Luke’s Hospital of Bethlehem, Series 2003, 5.375%, 8/15/33 (Pre-refunded 8/15/13)	8/13 at 100.00	AAA	3,301,950
3,500	Pennsylvania Turnpike Commission, Turnpike Subordinate Revenue Bonds, Series 2009C, 0.000%, 6/01/33 – AGM Insured	6/26 at 100.00	AA+	2,780,715
2,000	Philadelphia Gas Works, Pennsylvania, Revenue Bonds, General Ordinance, Fourth Series 1998, 5.000%, 8/01/32 – AGM Insured	8/13 at 100.00	AA+	2,001,700
925	Philadelphia, Pennsylvania, Water and Wastewater Revenue Bonds, Series 1997A, 5.125%, 8/01/27 – AMBAC Insured (ETM)	10/11 at 100.00	AAA	951,113
1,350	Pittsburgh and Allegheny County Sports and Exhibition Authority, Pennsylvania, Sales Tax Revenue Bonds, Refunding Series 2010, 5.000%, 2/01/31 – AGM Insured	8/20 at 100.00	AA+	1,383,939
13,000	State Public School Building Authority, Pennsylvania, Lease Revenue Bonds, Philadelphia School District, Series 2003, 5.000%, 6/01/33 (Pre-refunded 6/01/13) – AGM Insured	6/13 at 100.00	AAA	14,112,540
23,775	Total Pennsylvania			24,531,957
	Puerto Rico – 0.7% (0.5% of Total Investments)			
1,000	Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2002II, 5.125%, 7/01/26 (Pre-refunded 7/01/12) – AGM Insured	7/12 at 101.00	AA+ (4)	1,055,580
10,350	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, Series 2007A, 0.000%, 8/01/43 – NPFPG Insured	No Opt. Call	Aa2	1,300,478
11,350	Total Puerto Rico			2,356,058
	South Carolina – 5.6% (3.8% of Total Investments)			
5,000	Florence County, South Carolina, Hospital Revenue Bonds, McLeod Regional Medical Center, Series 2004A, 5.250%, 11/01/23 – AGM Insured	11/14 at 100.00	AA+	5,200,000
	Greenville County School District, South Carolina, Installment Purchase Revenue Bonds, Series 2003:			
3,000	5.000%, 12/01/22 (UB)	12/13 at 100.00	AA	3,113,910
1,785	5.000%, 12/01/23 (UB)		AA	1,846,243

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		12/13 at 100.00		
8,000	South Carolina Transportation Infrastructure Bank, Revenue Bonds, Series 2002A, 5.000%, 10/01/33 – AMBAC Insured	10/12 at 100.00	A1	8,029,680
17,785	Total South Carolina Texas – 7.9% (5.3% of Total Investments)			18,189,833
1,885	Bexar County, Texas, Venue Project Revenue Bonds, Refunding Series 2010, 5.500%, 8/15/49 – AGM Insured	8/19 at 100.00	AA+	1,929,825
	Grand Prairie Independent School District, Dallas County, Texas, General Obligation Bonds, Series 2003:			
1,660	5.375%, 2/15/26 (Pre-refunded 2/15/13) – AGM Insured	2/13 at 100.00	AA+ (4)	1,788,766
12,500	5.125%, 2/15/31 (Pre-refunded 2/15/13) – AGM Insured	2/13 at 100.00	AA+ (4)	13,421,500
2,000	Houston, Texas, First Lien Combined Utility System Revenue Bonds, Series 2004A, 5.250%, 5/15/25 – NPFPG Insured	5/14 at 100.00	AA	2,164,320
1,160	Houston, Texas, General Obligation Refunding Bonds, Series 2002, 5.250%, 3/01/20 – NPFPG Insured	3/12 at 100.00	AA	1,187,643
4,355	Houston, Texas, General Obligation Refunding Bonds, Series 2002, 5.250%, 3/01/20 (Pre-refunded 3/01/12) – NPFPG Insured	3/12 at 100.00	AA (4)	4,478,987
465	Katy Independent School District, Harris, Fort Bend and Waller Counties, Texas, General Obligation Bonds, Series 2002A, 5.125%, 2/15/18 (Pre-refunded 2/15/12)	2/12 at 100.00	AAA	477,625
24,025	Total Texas Virginia – 0.5% (0.3% of Total Investments)			25,448,666
1,500	Hampton, Virginia, Revenue Bonds, Convention Center Project, Series 2002, 5.125%, 1/15/28 (Pre-refunded 1/15/13) – AMBAC Insured	1/13 at 100.00	Aa3 (4)	1,605,555
	Washington – 9.5% (6.4% of Total Investments)			
4,945	Broadway Office Properties, King County, Washington, Lease Revenue Bonds, Washington Project, Series 2002, 5.000%, 12/01/31 – NPFPG Insured	12/12 at 100.00	AAA	4,981,939
5,250	Chelan County Public Utility District 1, Washington, Hydro Consolidated System Revenue Bonds, Series 2002C, 5.125%, 7/01/33 – AMBAC Insured	7/12 at 100.00	AA	5,275,568
5,000	King County, Washington, Sewer Revenue Bonds, Series 2006-2, Trust 1200, 13.503%, 1/01/26 – AGM Insured (IF)	1/17 at 100.00	AA+	5,520,800
2,135	Kitsap County Consolidated Housing Authority, Washington, Revenue Bonds, Bremerton Government Center, Series 2003, 5.000%, 7/01/23 – NPFPG Insured	7/13 at 100.00	Aa3	2,178,212
1,935	Pierce County School District 343, Dieringer, Washington, General Obligation Refunding Bonds, Series 2003, 5.250%, 12/01/17 (Pre-refunded 6/01/13) – FGIC Insured	6/13 at 100.00	Aa1 (4)	2,109,460
9,670			AA+ (4)	10,497,558

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	Washington State, General Obligation Bonds, Series 2003D, 5.000%, 12/01/21 (Pre-refunded 6/01/13) – NPMFG Insured	6/13 at 100.00		
28,935	Total Washington			30,563,537
	West Virginia – 1.0% (0.7% of Total Investments)			
3,000	West Virginia State Building Commission, Lease Revenue Refunding Bonds, Regional Jail and Corrections Facility, Series 1998A, 5.375%, 7/01/21 – AMBAC Insured	No Opt. Call	N/R	3,324,630
	Wisconsin – 5.5% (3.7% of Total Investments)			
1,190	Sun Prairie Area School District, Dane County, Wisconsin, General Obligation Bonds, Series 2004C, 5.250%, 3/01/24 – AGM Insured	3/14 at 100.00	Aa2	1,297,456
4,605	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Franciscan Sisters of Christian Charity Healthcare Ministry, Series 2003A, 5.875%, 9/01/33 (Pre-refunded 9/01/13)	9/13 at 100.00	BBB+ (4)	5,110,306
2,840	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Meriter Hospital Inc., Series 1992A, 6.000%, 12/01/22 – FGIC Insured	No Opt. Call	A1	3,257,110
3,600	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Wheaton Franciscan Services Inc., Series 2003A, 5.125%, 8/15/33	8/13 at 100.00	BBB+	3,181,463
4,750	Wisconsin Health and Educational Facilities Authority, Revenue Refunding Bonds, Wausau Hospital Inc., Series 1998A, 5.125%, 8/15/20 – AMBAC Insured	10/11 at 100.00	A	4,754,607
16,985	Total Wisconsin			17,600,942
\$ 498,845	Total Investments (cost \$465,386,179) – 148.1%			478,151,867
	Floating Rate Obligations – (4.0)%			(13,040,000)
	MuniFund Term Preferred Shares, at Liquidation Value - (25.7) % (6)			(83,000,000)
	Variable Rate MuniFund Term Preferred Shares, at Liquidation Value - (20.9)% (6)			(67,600,000)
	Other Assets Less Liabilities – 23.4%			75,762,309
	Auction Rate Preferred Shares, at Liquidation Value – (20.9)%			(67,375,000)
	Net Assets Applicable to Common Shares – 100%			\$ 322,899,176

Fair Value Measurements

Fair value is defined as the price that the Fund would receive upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market for the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The three-tier hierarchy of inputs is summarized in the three broad levels listed below:

Level 1 – Quoted prices in active markets for identical securities.

Level 2 – Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – Significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risk associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of July 31, 2011:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$ —	\$478,151,867	\$ —	\$478,151,867

During the period ended July 31, 2011, the Fund recognized no significant transfers to or from Level 1, Level 2 or Level 3.

Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset value of the Fund.

At July 31, 2011, the cost of investments was \$454,482,660.

Gross unrealized appreciation and gross unrealized depreciation of investments at July 31, 2011, were as follows:

Gross unrealized:

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Appreciation	\$19,140,053
Depreciation	(8,508,235)
Net unrealized appreciation (depreciation) of investments	\$10,631,818

The Fund intends to invest at least 80% of its managed assets in municipal securities that are covered by insurance guaranteeing the timely payment of principal and interest.

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
 - (2) Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates. Certain mortgage-backed securities may be subject to periodic principal paydowns.
 - (3) Ratings: Using the highest of Standard & Poor's Group ("Standard & Poor's"), Moody's Investor Service, Inc. ("Moody's") or Fitch, Inc. ("Fitch") rating. Ratings below BBB by Standard & Poor's, Baa by Moody's or BBB by Fitch are considered to be below investment grade. Holdings designated N/R are not rated by any of these national rating agencies.
Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities,
 - (4) which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.
 - (5) Investment, or portion of investment, has been pledged to collateralize the net payment obligations for investments in inverse floating rate transactions.
MuniFund Term Preferred Shares, Variable Rate MuniFund Term Preferred Shares, and Auction Rate Preferred
 - (6) Shares, at Liquidation Value as a percentage of Total Investments are 17.4%, 14.1%, and 14.1%, respectively.
- N/R Not rated.
 (ETM) Escrowed to maturity.
 (IF) Inverse floating rate investment.
 (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.

Item 2. Controls and Procedures.

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).

- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: See EX-99 CERT attached hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Nuveen Insured Tax-Free Advantage Municipal Fund

By (Signature and Title) /s/ Kevin J. McCarthy
Kevin J. McCarthy
Vice President and Secretary

Date September 29, 2011

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title) /s/ Gifford R. Zimmerman
Gifford R. Zimmerman
Chief Administrative Officer (principal executive officer)

Date September 29, 2011

By (Signature and Title) /s/ Stephen D. Foy
Stephen D. Foy
Vice President and Controller (principal financial officer)

Date September 29, 2011