

NUVEEN INSURED TAX FREE ADVANTAGE MUNICIPAL FUND  
Form N-Q  
April 01, 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: 1/31/11

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)  
 January 31, 2011

Principal Amount	Description (1)	Optional Call Provisions	(2) Ratings (3)	Value
(000)	Alabama – 7.4% (4.9% 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	Aa1	\$ 937,330
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	5,053,647
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)	3,346,016
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	6,667,162
1,750	Montgomery, Alabama, General Obligation Warrants, Series 2003, 5.000%, 5/01/21 – AMBAC Insured	5/12 at 101.00	AA+	1,839,933
4,500	Sheffield, Alabama, Electric Revenue Bonds, Series 2003, 5.500%, 7/01/29 – AMBAC Insured	7/13 at 100.00	Aa3	4,515,975
22,285	Total Alabama			22,360,063
	Arizona – 5.2% (3.4% 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	Baa2	9,305,200
6,545	Phoenix, Arizona, Civic Improvement Revenue Bonds, Civic Plaza, Series 2005B, 0.000%, 7/01/37 – FGIC Insured	No Opt. Call	AA	5,313,755
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+	1,148,125
17,795	Total Arizona			15,767,080
	California – 21.2% (14.0% 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	24,148,658
250	California State, General Obligation Bonds, Series 2002, 5.250%, 4/01/30 – SYNCORA GTY Insured	4/12 at 100.00	A1	237,663
5	California State, General Obligation Bonds, Series 2004, 5.000%, 4/01/31 – AMBAC Insured	4/14 at 100.00	A1	4,558

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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	8,409,615
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	2,514,473
8,000	Golden State Tobacco Securitization Corporation, California, Enhanced Tobacco Settlement	6/15 at 100.00	A2	6,652,880
250	Asset-Backed Revenue Bonds, Series 2005A, 5.000%, 6/01/35 – FGIC Insured Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed	6/17 at 100.00	Baa3	147,395
2,500	Bonds, Series 2007A-1, 5.125%, 6/01/47 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	2,352,325
4,000	Montara Sanitation District, California, General Obligation Bonds, Series 2003, 5.000%, 8/01/28 – FGIC Insured	8/11 at 101.00	AA–	3,922,320
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–	1,150,916
1,255	5.250%, 6/01/21 – AMBAC Insured Redding Joint Powers Financing Authority, California, Lease	6/13 at 101.00	A–	1,259,656
1,210	Revenue Bonds, Capital Improvement Projects, Series 2003A, 5.000%, 3/01/23 – AMBAC Insured	3/13 at 100.00	A	1,212,226
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+	3,756,113
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+	1,491,315
1,055	Turlock Irrigation District, California, Certificates of Participation, Series 2003A, 5.000%, 1/01/28 – NPFPG Insured	1/13 at 100.00	A	992,365
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	Aa1	6,098,022
67,910	Total California Colorado – 4.6% (3.1% of Total Investments) Bowles Metropolitan District, Colorado, General Obligation Bonds, Series 2003:			64,350,500
4,300	5.500%, 12/01/23 – AGM Insured	12/13 at 100.00	AA+	4,407,844
3,750	5.500%, 12/01/28 – AGM Insured Colorado Educational and Cultural Facilities Authority, Charter	12/13 at 100.00	AA+	3,782,438
1,450	School Revenue Bonds, 8/14 at 100.00	A	1,420,145	

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	Peak-to-Peak Charter School, Series 2004, 5.250%, 8/15/24 – SYNCORA GTY Insured			
	Colorado Health Facilities Authority, Colorado, Revenue Bonds,	4/18 at		
4,500	Catholic Health Initiatives, Series 2006C-1, Trust 1090, 14.848%, 10/01/41 – AGM Insured (IF)	100.00	AA+	3,273,750
	E-470 Public Highway Authority, Colorado, Senior Revenue Bonds,	No Opt.		
3,000	Series 2000B, 0.000%, 9/01/30 – NPFPG Insured	Call	Baa1	692,250
	E-470 Public Highway Authority, Colorado, Toll Revenue Bonds,	No Opt.		
2,900	Series 2004A, 0.000%, 9/01/34 – NPFPG Insured	Call	Baa1	477,949
19,900	Total Colorado			14,054,376
	District of Columbia – 0.5% (0.4% of Total Investments)			
	Metropolitan Washington Airports Authority, Virginia, Dulles Toll	No Opt.		
7,000	Road Revenue Bonds, Capital Appreciation Series 2009B-2, 0.000%, 10/01/36 – AGC Insured	Call	AA+	1,206,100
	Washington Convention Center Authority, District of Columbia,	10/16 at		
665	Senior Lien Dedicated Tax Revenue Bonds, Series 2007, Residuals 1606, 11.381%, 10/01/30 – AMBAC Insured (IF)	100.00	AA+	446,966
7,665	Total District of Columbia			1,653,066
	Florida – 24.0% (15.9% of Total Investments)			
	Bay County, Florida, Water System Revenue Bonds, Series 2005,	9/15 at		
1,000	5.000%, 9/01/25 – AMBAC Insured	100.00	A1	1,001,990
	Clay County, Florida, Uility System Revenue Bonds, Series 2007:	11/17 at		
1,500	5.000%, 11/01/27 – SYNCORA GTY Insured (UB)	100.00	AAA	1,504,575
		11/17 at		
3,000	5.000%, 11/01/32 – SYNCORA GTY Insured (UB)	100.00	AAA	2,878,770
	Collier County, Florida, Capital Improvement Revenue Bonds,	10/14 at		
400	Series 2005, 5.000%, 10/01/23 – NPFPG Insured	100.00	AA–	407,480
	Escambia County, Florida, Sales Tax Revenue Refunding Bonds,	10/12 at		
1,000	Series 2002, 5.250%, 10/01/17 – AMBAC Insured	101.00	A+	1,071,230
	Fernandina Beach, Florida, Utility Acquisition and Improvement	9/13 at		
1,525	Revenue Bonds, Series 2003, 5.000%, 9/01/23 – FGIC Insured	100.00	BBB	1,458,739
	Flagler County, Florida, Capital Improvement Revenue Bonds,	10/15 at		
500	Series 2005, 5.000%, 10/01/30 – NPFPG Insured	100.00	A	472,730
	Florida Housing Finance Agency, GNMA Collateralized Home	No Opt.		
140	Ownership Revenue Refunding Bonds, Series 1987G-1, 8.595%, 11/01/17	Call	AAA	151,780
	Florida State Board of Education, Public Education Capital Outlay	No Opt.		
2,500	Bonds, Series 2008, Trust 2929, 16.817%, 12/01/16 – AGC Insured (IF)	Call	AAA	2,287,800
	FSU Financial Assistance Inc., Florida, General Revenue Bonds,	No Opt.		
2,240	Educational and Athletic Facilities Improvements, Series 2004, 5.000%, 10/01/14 – AMBAC Insured	Call	Aa3	2,470,115

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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+	1,933,820
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+	112,562
350	Halifax Hospital Medical Center, Florida, Revenue Bonds, Series 2006, 5.500%, 6/01/38 – AGM Insured	6/18 at 100.00	AA+	326,820
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	Aa3	1,586,806
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	Aa3 (4)	207,025
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)	3,937,605
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	1,447,425
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+	2,393,624
2,265	Lakeland, Florida, Utility Tax Revenue Bonds, Series 2003B, 5.000%, 10/01/20 – AMBAC Insured	10/12 at 100.00	N/R	2,270,232
1,730	Lee County, Florida, Transportation Facilities Revenue Bonds, Series 2004B, 5.000%, 10/01/22 – AMBAC Insured	10/14 at 100.00	A–	1,742,543
500	Lee Memorial Health System, Florida, Hospital Revenue Bonds, Series 2007A, 5.000%, 4/01/32 – NPFG Insured	4/17 at 100.00	A3	424,020
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	2,940,000
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+	545,350
2,000	Miami-Dade County, Florida, Water and Sewer System Revenue Bonds, Series 1999A, 5.000%, 10/01/29 – FGIC Insured	4/11 at 100.50	Aa2	1,933,880
2,000	Orange County, Florida, Sales Tax Revenue Bonds, Series 2002A, 5.125%, 1/01/17 – FGIC Insured	1/13 at 100.00	AA	2,112,260
1,500	Orange County, Florida, Sales Tax Revenue Bonds, Series 2002B, 5.125%, 1/01/32 – FGIC Insured	1/13 at 100.00	AA	1,457,760
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)	3,602,227
3,335			AA–	3,551,542

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	Palm Bay, Florida, Local Optional Gas Tax Revenue Bonds, Series 2004, 5.250%, 10/01/20 – NPFPG Insured	10/14 at 100.00		
1,095	Palm Bay, Florida, Utility System Revenue Bonds, Series 2004, 5.250%, 10/01/20 – NPFPG Insured	10/14 at 100.00	Aa3	1,166,098
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+	2,600,153
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)	2,086,578
	Pinellas County Health Facilities Authority, Florida, Revenue Bonds, Baycare Health System, Series 2003:			
3,000	5.500%, 11/15/27 (Pre-refunded 5/15/13)	5/13 at 100.00	Aa3 (4)	3,311,610
2,800	5.750%, 11/15/27 (Pre-refunded 5/15/13)	5/13 at 100.00	Aa3 (4)	3,106,656
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	838,130
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+	2,127,119
1,500	Port St. Lucie, Florida, Stormwater Utility System Revenue Refunding Bonds, Series 2002, 5.000%, 5/01/23 – NPFPG Insured	5/12 at 100.00	Aa3	1,503,120
225	Port St. Lucie, Florida, Utility System Revenue Bonds, Refunding Series 2009, 5.250%, 9/01/35 – AGC Insured	9/18 at 100.00	AA+	217,604
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	1,628,655
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+	1,743,996
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+	4,003,560
1,200	Tamarac, Florida, Utility System Revenue Bonds, Series 2009, 5.000%, 10/01/39 – AGC Insured	10/19 at 100.00	AA+	1,162,620
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	1,101,425
71,710	Total Florida			72,828,034
	Georgia – 2.1% (1.4% 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+	2,975,850
1,410			AA+	1,415,767

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	DeKalb County, Georgia, Water and Sewer Revenue Bonds, Series 2006A, 5.000%, 10/01/35 – AGM Insured	10/16 at 100.00		
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) – NPFG Insured	1/13 at 100.00	AA+ (4)	1,972,132
6,235	Total Georgia			6,363,749
	Illinois – 5.0% (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+	4,808,850
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	1,702,395
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	1,495,941
1,650	Illinois Health Facilities Authority, Revenue Bonds, Lake Forest Hospital, Series 2003, 5.250%, 7/01/23	12/14 at 100.00	AA+ (4)	1,745,568
1,475	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	12/14 at 100.00	AA+ (4)	1,532,658
2,500	Indiana – 7.5% (5.0% of Total Investments)	7/13 at 100.00	AA+	2,508,300
13,300	Evansville, Indiana, Sewerage Works Revenue Refunding Bonds, Series 2003A, 5.000%, 7/01/23 – AMBAC Insured	No Opt. Call	AAA	1,266,293
27,025	Total Illinois			15,060,005
2,500	Indiana Bond Bank, Advance Purchase Funding Bonds, Common School Fund, Series 2003B, 5.000%, 8/01/19 – NPFG Insured	7/13 at 100.00	A1	2,504,975
2,190	Indiana Municipal Power Agency, Power Supply Revenue Bonds, Series 2007A, 5.000%, 1/01/42 – NPFG Insured	8/13 at 100.00	Baa1	2,213,718
1,860	Indiana University, Student Fee Revenue Bonds, Series 2003O, 5.000%, 8/01/22 – FGIC Insured	1/17 at 100.00	A+	1,681,645
1,000	IPS Multi-School Building Corporation, Indiana, First Mortgage Revenue Bonds, Series 2003:	8/13 at 100.00	Aaa	1,046,150
11,020	5.000%, 7/15/19 (Pre-refunded 7/15/13) – NPFG Insured	7/13 at 100.00	AA (4)	12,106,019
3,000	5.000%, 7/15/20 (Pre-refunded 7/15/13) – NPFG Insured	7/13 at 100.00	AA (4)	3,295,650
21,570	Total Indiana			22,848,157



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	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, 5.000%, 10/01/22 – AMBAC Insured	4/13 at 102.00	AA 5,133,000
	Kentucky – 0.4% (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) – NPFQ Insured	8/13 at 100.00	Aa3 (4) 1,086,731
	Louisiana – 2.5% (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 1,868,200
5,785	New Orleans, Louisiana, General Obligation Refunding Bonds, Series 2002, 5.300%, 12/01/27 – FGIC Insured	12/12 at 100.00	A3 5,575,583
7,785	Total Louisiana		7,443,783
	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 1,143,630
	Michigan – 9.8% (6.5% 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) – NPFQ Insured	7/13 at 100.00	A+ (4) 6,717,806
4,465	Detroit, Michigan, Senior Lien Water Supply System Revenue Refunding Bonds, Series 2003C, 5.000%, 7/01/22 – NPFQ Insured	7/13 at 100.00	A+ 4,479,913
1,000	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 914,060
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+ 9,852,732
2,250	Romulus Community Schools, Wayne County, Michigan, General Obligation Refunding Bonds, Series 2001, 5.250%, 5/01/25	5/11 at 100.00	Aa2 2,229,773
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 – NPFQ Insured	12/11 at 101.00	A– 5,507,775
31,145	Total Michigan		29,702,059
	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+ 253,001
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+ (4) 228,031

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Clay County Public School District 53, Liberty, Missouri, General  
Obligation Bonds, Series 2004:

1,110	5.250%, 3/01/23 (Pre-refunded 3/01/14) – AGM Insured	3/14 at 100.00	AA+ (4)	1,248,728
1,260	5.250%, 3/01/24 (Pre-refunded 3/01/14) – AGM Insured	3/14 at 100.00	AA+ (4)	1,417,475
2,825	Total Missouri Nebraska – 1.7% (1.1% of Total Investments)			3,147,235
5,000	Lincoln, Nebraska, Sanitary Sewerage System Revenue Refunding Bonds, Series 2003, 5.000%, 6/15/28 – NPFPG Insured	6/13 at 100.00	AA+	5,005,250
1,975	New Mexico – 0.7% (0.5% of Total Investments) New Mexico State University, Revenue Bonds, Series 2004, 5.000%, 4/01/19 – AMBAC Insured	4/14 at 100.00	AA	2,129,998
2,020	New York – 9.8% (6.5% of Total Investments) Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, Series 2006A, 4.500%, 2/15/47 – NPFPG Insured	2/17 at 100.00	A	1,532,069
25,000	Metropolitan Transportation Authority, New York, Transportation Revenue Refunding Bonds, Series 2002F, 5.000%, 11/15/31 – NPFPG Insured	11/12 at 100.00	A	23,067,998
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	1,885,816
3,335	New York State Urban Development Corporation, State Personal Income Tax Revenue Bonds, Tender Option Bond Trust 09-6W, 12.795%, 3/15/37 (IF)	3/17 at 100.00	AAA	3,085,175
32,205	Total New York			29,571,058
8,700	North Carolina – 2.1% (1.4% of Total Investments) 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	6,471,582
65	Ohio – 0.7% (0.4% of Total Investments) Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-2:	6/17 at 100.00	Baa3	49,009
710	5.125%, 6/01/24	6/17 at 100.00	Baa3	495,452
685	5.875%, 6/01/30	6/17 at 100.00	Baa3	454,306
1,570	5.750%, 6/01/34	6/17 at 100.00	Baa3	1,034,159
3,030	Total Ohio			2,032,926
1,000	Oklahoma – 0.3% (0.2% of Total Investments) Oklahoma Capitol Improvement Authority, State Facilities Revenue Bonds, Series 2005F, 5.000%, 7/01/24 – AMBAC Insured	7/15 at 100.00	AA	1,019,990
8,350	Oregon – 2.5% (1.7% of Total Investments)		A1	7,709,472

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	Oregon Health Sciences University, Revenue Bonds, Series 2002A, 5.000%, 7/01/32 – NPMG Insured	1/13 at 100.00		
	Pennsylvania – 8.0% (5.3% 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	3,328,620
3,500	Pennsylvania Turnpike Commission, Turnpike Subordinate Revenue Bonds, Series 2009C, 0.000%, 6/01/33 – AGM Insured	6/26 at 100.00	AA+	2,624,195
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+	1,894,580
925	Philadelphia, Pennsylvania, Water and Wastewater Revenue Bonds, Series 1997A, 5.125%, 8/01/27 – AMBAC Insured (ETM)	2/11 at 100.00	AAA	950,271
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+	1,318,316
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	14,223,948
23,775	Total Pennsylvania			24,339,930
	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)	1,075,360
10,350	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, Series 2007A, 0.000%, 8/01/43 – NPMG Insured	No Opt. Call	Aa2	1,167,894
11,350	Total Puerto Rico			2,243,254
	South Carolina – 5.7% (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+	5,091,950
	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	3,038,100
1,785	5.000%, 12/01/23 (UB)	12/13 at 100.00	AA	1,799,548
8,000	South Carolina Transportation Infrastructure Bank, Revenue Bonds, Series 2002A, 5.000%, 10/01/33 – AMBAC Insured	10/12 at 100.00	A1	7,416,400
17,785	Total South Carolina			17,345,998
	Texas – 8.4% (5.6% of Total Investments)			
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+	1,837,856

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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)	1,813,284
12,500	5.125%, 2/15/31 (Pre-refunded 2/15/13) – AGM Insured Houston, Texas, First Lien Combined Utility System Revenue Bonds, Series 2004A, 5.250%, 5/15/25 – NPFPG Insured	2/13 at 100.00	AA+ (4)	13,591,123
2,000	Houston, Texas, General Obligation Refunding Bonds, Series 2002, 5.250%, 3/01/20 – NPFPG Insured	5/14 at 100.00	AA	2,058,480
1,160	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	1,205,205
4,355	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)	3/12 at 100.00	AA (4)	4,567,089
465	Total Texas	2/12 at 100.00	AAA	487,506
24,025	Virginia – 0.5% (0.3% of Total Investments) Hampton, Virginia, Revenue Bonds, Convention Center Project, Series 2002, 5.125%, 1/15/28 – AMBAC Insured			25,560,543
1,500	Washington – 9.9% (6.5% of Total Investments) Broadway Office Properties, King County, Washington, Lease Revenue Bonds, Washington Project, Series 2002, 5.000%, 12/01/31 – NPFPG Insured	1/13 at 100.00	Aa3	1,500,105
4,945	Chelan County Public Utility District 1, Washington, Hydro Consolidated System Revenue Bonds, Series 2002C, 5.125%, 7/01/33 – AMBAC Insured	12/12 at 100.00	AAA	4,847,485
5,250	King County, Washington, Sewer Revenue Bonds, Series 2006-2, Trust 1200, 13.231%, 1/01/26 – AGM Insured (IF)	7/12 at 100.00	AA	5,166,578
5,000	Kitsap County Consolidated Housing Authority, Washington, Revenue Bonds, Bremerton Government Center, Series 2003, 5.000%, 7/01/23 – NPFPG Insured	1/17 at 100.00	AA+	4,971,200
2,135	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	7/13 at 100.00	Aa3	2,149,390
1,935	Washington State, General Obligation Bonds, Series 2003D, 5.000%, 12/01/21 (Pre-refunded 6/01/13) – NPFPG Insured	6/13 at 100.00	Aa1 (4)	2,133,725
9,670	Total Washington	6/13 at 100.00	AA+ (4)	10,607,410
28,935	West Virginia – 1.1% (0.7% of Total Investments) 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	3,204,690
3,000	Wisconsin – 5.7% (3.8% of Total Investments)			

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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	1,296,826
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)	5,169,527
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	3,005,686
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+	2,999,916
4,750	Wisconsin Health and Educational Facilities Authority, Revenue Refunding Bonds, Wausau Hospital Inc., Series 1998A, 5.125%, 8/15/20 – AMBAC Insured	8/20 at 100.00	A	4,750,475
16,985	Total Wisconsin			17,222,430
	\$			
498,575	Total Investments (cost \$464,952,465) – 151.1%			458,174,482
	Floating Rate Obligations – (4.3)%			(13,040,000)
	MuniFund Term Preferred Shares, at Liquidation Value – (27.4)% (5)			(83,000,000)
	Other Assets Less Liabilities – 2.8%			8,396,280
	Auction Rate Preferred Shares, at Liquidation Value – (22.2)% (5)			(67,375,000)
				\$
	Net Assets Applicable to Common Shares – 100%			303,155,762

Fair Value Measurements

In determining the fair value of the Fund’s investments, various inputs are used. These inputs are 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 January 31, 2011:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$ —	\$458,174,482	\$—	\$458,174,482

During the period ended January 31, 2011, the Fund recognized no significant transfers to/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 January 31, 2011, the cost of investments was \$454,085,670.

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

Gross unrealized:	
Appreciation	\$ 14,048,109
Depreciation	(22,996,959)
Net unrealized appreciation (depreciation) of investments	\$(8,948,850 )

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.

All percentages shown in the Portfolio of Investments are based

(1) on net assets applicable to Common

shares unless otherwise noted.

Optional Call Provisions: Dates (month and year) and prices of

- (2) 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.

Ratings: Using the highest of Standard & Poor's Group

- (3) ("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.

- (4) Government or U.S. Government agency securities, which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.

MuniFund Term Preferred Shares and Auction Rate Preferred

- (5) Shares, at Liquidation Value as a percentage of Total Investments are 18.1% and 14.7%, respectively.

N/R Not rated.

(ETM) Escrowed to maturity.

(IF) Inverse floating rate investment.

Underlying bond of an inverse floating rate trust reflected as a

(UB) financing transaction.

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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.

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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 April 1, 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 April 1, 2011

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

Date April 1, 2011