

Invesco Insured Municipal Trust
Form N-Q
September 29, 2010

OMB APPROVAL
OMB Number: 3235-0578
Expires: April 30, 2013
Estimated average burden
hours per response: 5.6

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM N-Q
QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT
INVESTMENT COMPANY
Investment Company Act file number 811-06434
Invesco Insured Municipal Trust**

(Exact name of registrant as specified in charter)
1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Address of principal executive offices) (Zip code)
Philip A. Taylor 1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Name and address of agent for service)

Registrant's telephone number, including area code: (713) 626-1919

Date of fiscal year end: 10/31

Date of reporting period: 07/31/10

TABLE OF CONTENTS

Item 1. Schedule of Investments

Item 2. Controls and Procedures

Item 3. Exhibits

SIGNATURES

EXHIBIT INDEX

Item 1. Schedule of Investments.

Invesco Insured Municipal Trust

Quarterly Schedule of Portfolio Holdings July 31,2010

invesco.com/us

MS-CE-IMUNI-QTR-1 07/10

Invesco Advisers, Inc.

Schedule of Investments

July 31, 2010

(unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
<i>Municipal Obligations (147.8%)</i>				
<i>Arizona (2.2%)</i>				
Arizona State University, Research Infrastructure Projects (COP) (AMBAC Insd) (a)	5.00%	09/01/30	\$ 2,000	\$ 2,008,340
Glendale Industrial Development Authority, Midwestern University, Ser 2010	5.00	05/15/35	350	348,989
Glendale Industrial Development Authority, Midwestern University, Ser 2010	5.125	05/15/40	350	351,712
Maricopa County Pollution Control, Arizona Public Service Co., Ser 2009 A Phoenix Civic Improvement Corp., Jr Lien Wastewater Ser 2004 (NATL-RE Insd) (a)	6.00	05/01/29	550	592,388
State of Arizona, Ser 2008 A (COP)	5.00	07/01/27	1,000	1,042,550
(AGM Insd) (a)	5.00	09/01/27	1,305	1,341,005
				5,684,984
<i>California (25.5%)</i>				
Alameda County Joint Powers Authority, Ser 2008 (AGM Insd) (a)	5.00	12/01/24	1,205	1,268,757
Alhambra Unified School District, Ser 2009 B (AGC Insd) (a)(b)	0.00	08/01/35	1,355	285,268
Alhambra Unified School District, Ser 2009 B (AGC Insd) (a)(b)	0.00	08/01/36	2,190	431,014
Alvord Unified School District, Election of 2007 Ser 2007 A (AGM Insd) (a)	5.00	08/01/27	945	997,249
Anaheim Public Financing Authority, Electric Ser 2007-A (NATL-RE Insd) (a)(c)	4.50	10/01/37	16,000	15,347,680
Beverly Hills Unified School District, Election of 2008 Ser 2009 (b)	0.00	08/01/26	960	440,342
Beverly Hills Unified School District, Election of 2008 Ser 2009 (b)	0.00	08/01/31	1,850	619,176
California Health Facilities Financing Authority, Scripps Memorial Hospital Ser 2010 A	5.00	11/15/36	1,700	1,709,928
	5.00	05/01/22	2,500	2,765,625

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

California State Department of Water Resources, Power Supply Ser 2008 H (AGM Insd) (a)				
City & County of San Francisco, City Buildings Ser 2007 A (COP) (NATL-RE & FGIC Insd) (a)	4.50	09/01/37	2,000	1,870,700
City & County of San Francisco, Laguna Ref Ser R-3 (AGC Insd) (a)(c)	5.00	06/15/28	1,000	1,042,050
City of Los Angeles, Ser 2004 A (NATL-RE Insd) (a)	5.00	09/01/24	3,000	3,236,820
Clovis Unified School District, Election of 2004 Ser A (NATL-RE & FGIC Insd) (a)(b)	0.00	08/01/29	480	159,874
Dry Creek Joint Elementary School District, Election 2008 Ser 2009 E (b)	0.00	08/01/44	1,090	118,254
Dry Creek Joint Elementary School District, Election 2008 Ser 2009 E (b)	0.00	08/01/45	6,270	637,220
Dry Creek Joint Elementary School District, Election 2008 Ser 2009 E (b)	0.00	08/01/48	4,610	381,477
Eastern Municipal Water District, Water & Sewer Ref, Ser 2006 A (COP) (NATL-RE Insd) (a)	5.00	07/01/32	4,000	4,125,840
El Segundo Unified School District, Election of 2008 Ser 2009 A (b)	0.00	08/01/32	2,705	714,959
Fontana Unified School District, Ser B (AGM Insd) (a)(b)	0.00	08/01/30	4,530	1,359,136
Golden State Tobacco Securitization Corp., Enhanced Asset Backed Ser 2005 A (FGIC Insd) (a)	5.00	06/01/38	6,000	5,598,780
Kern County Board of Education, Ref Ser 2006 A (COP) (NATL-RE Insd) (a)	5.00	06/01/31	2,000	2,002,880
Menifee Union School District, Election of 2008 Ser C (AGC Insd) (a)(b)	0.00	08/01/37	1,450	269,497
Moreland School District, Ser 2014 C (AMBAC Insd) (a)(b)	0.00	08/01/29	1,505	461,177
Oak Grove School District, Election 2008 Ser A (b)	0.00	08/01/28	1,080	376,499
Oakland Joint Powers Financing Authority, Oakland Administration Buildings Ser 2008 B (AGC Insd) (a)	5.00	08/01/25	500	524,695

See accompanying notes which are an integral part of this schedule.

Invesco Insured Municipal Trust

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Oakland Joint Powers Financing Authority, Oakland Administration Buildings, Ser 2008 B (AGC Insd) (a)	5.00%	08/01/23	\$ 725	\$ 767,768
Patterson Joint Unified School District, 2008 Election Ser 2009 B (AGM Insd) (a)(b)	0.00	08/01/47	5,700	505,419
Patterson Joint Unified School District, 2008 Election Ser 2009 B (AGM Insd) (a)(b)	0.00	08/01/48	7,670	634,692
Patterson Joint Unified School District, Election of 2008 Ser 2009 B (AGM Insd) (a)(b)	0.00	03/01/49	4,240	336,910
Port of Oakland, Ser 2002 L (AMT) (NATL-RE & FGIC Insd) (a)(d)	5.00	11/01/12	110	121,286
Port of Oakland, Ser 2002 L (AMT) (NATL-RE & FGIC Insd) (a)	5.00	11/01/21	890	900,173
Poway Unified School District, School Facilities Improvement District No. 07-1, 2008 Election Ser A (b)	0.00	08/01/28	3,210	1,140,770
Poway Unified School District, School Facilities Improvement District No. 07-1, 2008 Election Ser A (b)	0.00	08/01/31	3,470	1,010,742
San Diego County Water Authority, Ser 2004 A (COP) (AGM Insd) (a)(c)	5.00	05/01/29	5,000	5,174,750
University of California, Limited Projects Ser 2005 B (AGM Insd) (a)	5.00	05/15/30	1,000	1,029,300
University of California, Ser 2007-J (AGM Insd) (a)(c)	4.50	05/15/31	3,310	3,332,475
University of California, Ser 2007-J (AGM Insd) (a)(c)	4.50	05/15/35	2,690	2,640,558
				64,339,740
Colorado (3.3%)				
Arkansas River Power Authority, Power Ser 2006 (XLCA Insd) (a)	5.25	10/01/40	2,000	1,843,980
City & County of Denver, Airport Ref Ser 2000 A (AMT) (AMBAC Insd) (a)	6.00	11/15/18	5,000	5,064,600
Denver Convention Center Hotel Authority, Ref Ser 2006 (XLCA Insd) (a)	5.00	12/01/35	1,500	1,309,305
				8,217,885

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

Connecticut (0.5%)

Connecticut State Health & Educational
Facility Authority, Quinnipiac

University Ser K-1 (NATL-RE Insd) (a)	5.00	07/01/27	1,225	1,284,094
---------------------------------------	------	----------	-------	-----------

District of Columbia (6.4%)

District of Columbia, Income Tax, Ser
2009 A (c)

	5.25	12/01/27	2,100	2,364,600
--	------	----------	-------	-----------

District of Columbia, Ser 2008 E

(BHAC Insd) (a)(c)	5.00	06/01/27	8,000	8,525,060
--------------------	------	----------	-------	-----------

District of Columbia Ballpark, Ser 2006
B-1 (NATL-RE & FGIC Insd) (a)

	5.00	02/01/31	4,000	4,001,880
--	------	----------	-------	-----------

District of Columbia Water & Sewer
Authority, Ref Sub-Lien Ser 2008 A
(AGC Insd) (a)

	5.00	10/01/28	500	535,245
--	------	----------	-----	---------

District of Columbia Water & Sewer
Authority, Ref Sub-Lien Ser 2008 A
(AGC Insd) (a)

	5.00	10/01/29	625	665,469
--	------	----------	-----	---------

16,092,254

Florida (9.7%)

Citizens Property Insurance Corp., High
Risk Ser A-1

	5.00	06/01/14	2,200	2,338,688
--	------	----------	-------	-----------

City of Port St Lucie, Utility System
Refg Ser 2009 (AGC Insd) (a)

	5.00	09/01/29	1,000	1,027,400
--	------	----------	-------	-----------

County of Miami-Dade, Building Better
Communities Program Ser 2009 B-1

	6.00	07/01/38	1,000	1,119,810
--	------	----------	-------	-----------

County of Miami-Dade, Miami Int 1
Airport Ref Ser 2003 B (AMT)

(NATL-RE Insd) (a)	5.25	10/01/18	2,155	2,237,235
--------------------	------	----------	-------	-----------

County of Miami-Dade, Miami Int 1
Airport Ref Ser 2003 B (AMT)

(NATL-RE Insd) (a)	5.25	10/01/19	2,270	2,344,184
--------------------	------	----------	-------	-----------

County of Miami-Dade, Water & Sewer
(AGM Insd) (a)

	5.00	10/01/39	1,600	1,650,768
--	------	----------	-------	-----------

Miami-Dade County Educational
Facilities Authority, University of
Miami Ser 2008 A (CR) (BHAC Insd)

(a)	5.50	04/01/38	1,500	1,578,825
-----	------	----------	-------	-----------

Mid-Bay Bridge Authority, Ref Ser
2008 A (AGC Insd) (a)

	5.00	10/01/27	1,265	1,293,007
--	------	----------	-------	-----------

Orange County School Board,
Series 2008 B (COP) (AGC Insd)

(a)(e)(f)	0.28	08/01/32	1,000	1,000,000
-----------	------	----------	-------	-----------

Palm Beach County Solid Waste
Authority, Ser 2009 (BHAC Insd) (a)

	5.50	10/01/23	1,200	1,387,308
--	------	----------	-------	-----------

Tampa Bay Water Utility System
Revenue, Ser 2001 B (NATL-RE &
FGIC Insd) (a)

	5.00	10/01/31	6,000	6,197,700
--	------	----------	-------	-----------

See accompanying notes which are an integral part of this schedule.

Invesco Insured Municipal Trust

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Tampa Sports Authority, Sales Tax Ref Ser 2005 (AGM Insd) (a)	5.00%	01/01/26	\$ 2,185	\$ 2,274,432
				24,449,357
Georgia (3.2%)				
City of Atlanta, Airport Passenger Facilities Sub-Lien Ser 2004 C (AGM Insd) (a)(c)	5.00	01/01/33	5,000	5,062,750
City of Atlanta, Water & Wastewater Ser 1999 A (NATL-RE & FGIC Insd) (a)	5.00	11/01/29	2,000	2,001,460
Fulton County Development Authority, Morehouse College Ser 2000 (AMBAC Insd) (a)(d)	6.25	12/01/10	900	926,757
				7,990,967
Hawaii (6.2%)				
City & County of Honolulu, Ser 2003 A (NATL-RE Insd) (a)(c)	5.25	03/01/26	5,000	5,299,850
City & County of Honolulu, Ser 2003 A (NATL-RE Insd) (a)(c)	5.25	03/01/25	5,000	5,414,100
State of Hawaii, Airports Ref Ser 2001 (AMT) (NATL-RE & FGIC Insd) (a)	5.25	07/01/21	5,000	5,044,650
				15,758,600
Idaho (0.9%)				
Idaho Housing & Finance Association, Federal Highway Trust Ser 2008 A (RANs) (AGC Insd) (a)	5.25	07/15/25	2,065	2,277,881
Illinois (16.0%)				
Chicago Transit Authority, Federal Transit Administration Section 5309 Ser 2008 (AGC Insd) (a)	5.25	06/01/26	1,370	1,440,363
City of Chicago, O Hare Int 1 Airport Third Lien Ser 2003 B-2 (AMT) (AGM Insd) (a)	5.75	01/01/23	2,000	2,097,060
City of Chicago, Project & Ref Ser 2007 A (CR) (FGIC & AGM Insd) (a)(c)(h)	5.00	01/01/37	6,070	6,196,620
City of Chicago, Second Lien Water Ser 2008 (AGM Insd) (a)	5.00	11/01/27	940	1,000,019

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

City of Chicago, Ser A 2001 (NATL-RE Insd) (a)(g)	0.00	01/01/21	2,000	2,137,480
City of Chicago, Ser A 2001 (NATL-RE Insd) (a)(g)	0.00	01/01/22	2,000	2,136,780
City of Chicago, Ser A 2005 (NATL-RE Insd) (a)	5.25	01/01/25	3,000	3,134,160
De Kalb County Community Unit School District No. 428, (AGM Insd) (a)	5.00	01/01/27	670	716,176
De Kalb County Community Unit School District No. 428, (AGM Insd) (a)	5.00	01/01/28	305	323,800
Illinois Finance Authority, Northwestern Memorial Hospital, Ser 2009 B	5.75	08/15/30	1,635	1,782,870
Illinois Finance Authority, Swedish Covenant Hospital Ser 2010 A	5.75	08/15/29	1,300	1,315,184
Kendall Kane & Will Counties Community Unit School District No. 308, (AGM Insd) (a)(b)	0.00	02/01/27	5,375	2,343,500
Regional Transportation Authority, Ref Ser 1999 (AGM Insd) (a)	5.75	06/01/21	4,000	4,737,360
State of Illinois, Ser 2001 (NATL-RE Insd) (a)(c)	5.38	04/01/15	10,000	11,182,600

40,543,972

Iowa (4.3%)

State of Iowa, IJOBS Program Ser 2009 A (c)(h)	5.00	06/01/25	1,810	2,001,697
State of Iowa, IJOBS Program Ser 2009 A (c)(h)	5.00	06/01/26	1,355	1,485,608
State of Iowa, Ser 2001 (NATL-RE Insd) (a)	5.50	02/15/19	3,600	4,330,512
State of Iowa, Ser 2001 (NATL-RE Insd) (a)	5.50	02/15/20	2,500	2,991,825

10,809,642

Kansas (0.7%)

Kansas Development Finance Authority Hospital Revenue, Adventist Health System Sunbelt Obligated Group Ser 2009 C	5.50	11/15/29	615	666,094
Wyandotte County-Kansas City Unified Government, Utility System Improvement, Ser 2009 A (BHAC Insd) (a)	5.25	09/01/34	1,060	1,132,409

1,798,503

Kentucky (2.6%)

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

Kentucky State Property & Buildings Commission, Ref Project No. 93 Ser 2009 (AGC Insd) (a)	5.25	02/01/28	1,640	1,793,947
Louisville & Jefferson County Visitors & Convention Commission, Ser 2004 B (AGM Insd) (a)(e)(f)	0.27	12/01/22	1,000	1,000,000

See accompanying notes which are an integral part of this schedule.

Invesco Insured Municipal Trust

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Louisville Waterworks Board, Ser 2000 (AGM Insd) (a)(d)	5.50%	11/15/10	\$ 3,800	\$ 3,857,722
				<i>6,651,669</i>
<i>Louisiana (0.6%)</i>				
Louisiana Public Facilities Authority, Baton Rouge General Medical Center-FHA Insured Mortgage Ser 2004 (NATL-RE Insd) (a)	5.25	07/01/33	1,500	1,516,590
<i>Maryland (1.0%)</i>				
Maryland Economic Development Corp., Aviation Administration Ser 2003 (AMT) (AGM Insd) (a)	5.375	06/01/22	2,500	2,583,225
<i>Massachusetts (5.7%)</i>				
Massachusetts Health & Educational Facilities Authority, Boston College Ser M-2	5.50	06/01/30	2,000	2,398,800
Massachusetts Health & Educational Facilities Authority, Harvard University Ser A (c)	5.00	11/15/36	6,460	7,323,831
Massachusetts Health & Educational Facilities Authority, Massachusetts Institute of Technology Ser O (c)	5.50	07/01/36	2,090	2,367,322
Massachusetts Water Resources Authority, Ser 2007 B (AGM Insd) (a)	5.25	08/01/31	2,000	2,324,880
				<i>14,414,833</i>
<i>Michigan (1.5%)</i>				
City of Detroit Water Supply System, Ref Ser 2006 C (AGM Insd) (a)	5.00	07/01/26	1,200	1,228,332
Wayne State University, Ref Ser 2008 (AGM Insd) (a)	5.00	11/15/29	1,190	1,256,854
Western Michigan University, Ser 2008 (AGM Insd) (a)	5.00	11/15/23	1,125	1,216,271
				<i>3,701,457</i>
<i>Minnesota (1.6%)</i>				
City of Minneapolis, Fairview Health Ser 2005 D (AMBAC Insd) (a)	5.00	11/15/34	4,000	4,018,160

Edgar Filing: Invesco Insured Municipal Trust - Form N-Q

Missouri (0.8%)

Missouri Joint Municipal Electric Utility Commission, Plum Point Ser 2006 (NATL-RE Insd) (a)	5.00	01/01/25	2,000	2,015,960
--	------	----------	-------	-----------

Nevada (5.3%)

County of Clark, Transportation Improvement Ltd. Tax Ser 1992 B (AMBAC Insd) (a)	6.50	06/01/17	4,000	4,949,880
State of Nevada, Capital Improvement & Cultural Affairs Ser 2008 C (AGM Insd) (a)(c)	5.00	06/01/26	8,000	8,530,480
				13,480,360

New Jersey (4.0%)

New Jersey Economic Development Authority, School Facilities Construction Ser N-1 (AMBAC Insd) (a)	5.50	09/01/24	1,195	1,374,704
New Jersey Economic Development Authority, Student Housing Project Ser 2010 A	5.875	06/01/42	710	720,792
New Jersey Educational Facilities Authority, Rowan University Ser 2008 B (AGC Insd) (a)	5.00	07/01/26	510	551,499
New Jersey St. Housing & Mortgage Finance Agency, Home Buyer Ser 2000 CC (AMT) (NATL-RE Insd) (a)	5.875	10/01/31	2,295	2,298,397
New Jersey State Turnpike Authority, Ser 2003 A (AMBAC Insd) (a)	5.00	01/01/30		