

Item 5.07 Submission of Matters to a Vote of Security Holders.

At Monsanto Company's 2014 Annual Meeting on January 28, 2014, of the 524,909,387 shares outstanding and entitled to vote, 453,690,682 shares were represented, constituting an 86.43% quorum. Each matter was determined by a majority of votes cast.

The final results for each of the matters submitted to a vote of shareowners at the Annual Meeting are as follows:

Item No. 1: ELECTION OF DIRECTORS

All of the board's nominees for director were elected to serve until the Company's 2015 Annual Meeting or until their respective successors are elected and qualified, by the votes set forth in the table below:

Nominee	Votes Cast For		Votes Cast Against		Abstain	Broker Non-Votes
	Number	% of Votes	Number	% of Votes		
Gregory H. Boyce	408,216,045	97.88%	8,838,965	2.11%	2,482,408	34,153,264
Laura K. Ipsen	412,473,852	98.89%	4,588,762	1.10%	2,474,804	34,153,264
William U. Parfet	409,746,192	98.24%	7,299,267	1.75%	2,491,959	34,153,264
George H. Poste, Ph.D., D.V.M.	412,324,891	98.86%	4,740,463	1.13%	2,472,064	34,153,264

Item No. 2: RATIFICATION OF AUDITORS

The appointment of Deloitte & Touche LLP as the Company's independent registered public accounting firm for fiscal 2014 was ratified by the shareowners, by the votes set forth in the table below:

Votes Cast For		Votes Cast Against		Abstain	Broker Non-Votes
Number	% of Votes	Number	% of Votes		
446,705,816	99.01%	4,455,708	0.98%	2,529,158	0

Item No. 3: ADVISORY APPROVAL OF EXECUTIVE COMPENSATION

The shareowners approved, on an advisory (non-binding) basis, executive compensation, by the votes set forth in the table below:

Votes Cast For		Votes Cast Against		Abstain	Broker Non-Votes
Number	% of Votes	Number	% of Votes		
406,416,515	97.74%	9,355,656	2.25%	3,765,247	34,153,264

Item No. 4: SHAREOWNER PROPOSAL ONE

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The shareowners did not approve the shareowner proposal presented at the meeting requesting a report related to labeling of food produced with genetic engineering, as evidenced by the votes set forth in the table below:

Votes Cast For		Votes Cast Against		Abstain	Broker Non-Votes
Number	% of Votes Cast	Number	% of Votes Cast		
15,387,230	4.16%	353,816,720	95.83%	50,333,468	34,153,264

Item No.5:

SHAREOWNER PROPOSAL TWO

The shareowners did not approve the shareowner proposal presented at the meeting requesting a report on certain matters related to GMO products, as evidenced by the votes set forth in the table below:

Votes Cast For		Votes Cast Against		Abstain	Broker Non-Votes
Number	% of Votes Cast	Number	% of Votes Cast		
24,112,427	6.51%	346,147,059	93.48%	49,277,932	34,153,264

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

MONSANTO COMPANY

Dated: January 28, 2014

Name: Jennifer L. Woods
Title: Assistant Secretary

By: /s/Jennifer L. Woods