



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : A21D 2/02, 6/00, 10/00, C01B 25/26</p>	<p>A3</p>	<p>(11) International Publication Number: WO 97/30593 (43) International Publication Date: 28 August 1997 (28.08.97)</p>
<p>(21) International Application Number: PCT/US97/01493 (22) International Filing Date: 5 February 1997 (05.02.97) (30) Priority Data: 08/603,301 20 February 1996 (20.02.96) US (71) Applicant (for all designated States except US): MONSANTO COMPANY [US/US]; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): HEIDOLPH, Barbara, B. [-/US]; 3055 South Point Prairie Road, Wentzville, MI 63385 (US). HIGHFILL, Louis, A. [-/US]; 4021 Brookview, Washington, MI 63090 (US). (74) Agents: SIECKMANN, Gordon, F.; Fitzpatrick, Cella, Harper & Scinto, 277 Park Avenue, New York, NY 10172 (US) et al.</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 16 October 1997 (16.10.97)</p>
<p>(54) Title: NOVEL LEAVENING SYSTEM</p> <p>(57) Abstract</p> <p>There is disclosed a novel leavening composition comprising hemipotassium phosphate in combination with a carbonate factor. The hemipotassium phosphate is prepared by solution crystallization with removal of water.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 97/01493

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 A21D2/02 A21D6/00 A21D10/00 C01B25/26				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) IPC 6 A21D				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	GB 2 254 993 A (RIKEN VITAMIN CO LTD) 28 October 1992 see page 4, paragraph 1; claims ---	1,11,12,16		
A	GB 1 111 216 A (ALBRIGHT & WILSON (MFG) LIMITED) 24 April 1968 see page 1, column 2, line 55 - line 84 ---	1,11,13		
A	US 3 397 064 A (S.A. MATZ) 13 August 1968 see the whole document --- -/--	1-23		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/> Patent family members are listed in annex.
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Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">5 August 1997</div>	Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">26.08.97</div>			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl, Fax (+ 31-70) 340-3016	Authorized officer <div style="text-align: center; font-weight: bold;">Bevan, S</div>			

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 97/01493

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>FOOD TECHNOLOGY, vol. 44, no. 4, April 1990, CHICAGO US, pages 80-82+85-86 +90+92, XP000133008 J.D. DZIEZAK: "Phosphates improve many foods" see page 80 - page 82 see page 85 - page 86, column 2, paragraph 1</p> <p style="text-align: center;">---</p>	1-23
A	<p>US 3 052 549 A (T.P. KICHLIN & J.L. VETTER) 4 September 1962 cited in the application</p> <p style="text-align: center;">---</p>	
A	<p>GMELINS HANDBUCH DER ANORGANISCHEN CHEMIE, EIGHTH COMPLETE NEWLY REVISED EDITION, vol. 5, no. 22, 1938, VERLAG CHEMIE-GMBH, WEINHEIM/BERGSTR, AND BERLIN, DE, page 1002 XP002021400 "Kalium" see page 1002, paragraph 2</p> <p style="text-align: center;">---</p>	1,11,13
A	<p>NOUVEAU TRAITE DE CHIMIE MINERALE, vol. 2, no. 2, 1963, MASSON ET CIE, PARIS, page 504+533 XP002021401 A. CHRETIEN ET AL.: "potassium" see page 504, paragraph 1 see page 533</p> <p style="text-align: center;">-----</p>	1,11,13

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2254993 A	28-10-92	JP 4325049 A JP 7016353 B DE 4213258 A US 5196226 A	13-11-92 01-03-95 29-10-92 23-03-93
----- GB 1111216 A		NONE	
----- US 3397064 A	13-08-68	NONE	
----- US 3052549 A	04-09-62	NONE	-----