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(21) International Application Number: PCT/US00/07454 (22) International Filing Date: 21 March 2000 (21.03.00) (30) Priority Data: 09/281,360 30 March 1999 (30.03.99) US 09/461,700 14 December 1999 (14.12.99) US (71) Applicant (for all designated States except US): AGRAQUEST, INC. [US/US]; 1530 Drew Avenue, Davis, CA 95616 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): LEHMAN, Lori, Jo [US/US]; 1218 Las Encinas Court, Vacaville, CA 95687 (US). MCCOY, Randy, Jay [US/US]; 3212 Breton Av- enue, Davis, CA 95616 (US). MESSENGER, Belinda, Jane [US/US]; 519 10th Street, Davis, CA 95616 (US). MANKER, Denise, Carol [US/US]; 3037 Prado Lane, Davis, CA 95616 (US). ORJALA, Jimmy, Ensio [SE/US]; 2905 Lillard Drive, Davis, CA 95616 (US). LINDHARD, Dorte [DK/US]; Apartment 307, 405 Cowell Boulevard, Davis, CA 95616 (US). MARRONE, Pamela, Gail [US/US]; 3333 Victoria Place, Davis, CA 95616 (US). JIMENEZ, Desmond, Rito [US/US]; 9 Pendegast Street, Woodland, CA 95695 (US).		(74) Agents: KONSKI, Antoinette, F. et al.; Baker & McKenzie, 660 Hansen Way, Palo Alto, CA 94304 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: A STRAIN OF <i>BACILLUS PUMILUS</i> FOR CONTROLLING PLANT DISEASES		
(57) Abstract A novel antibiotic-producing <i>Bacillus sp.</i> is provided that exhibits antifungal activity only on certain specific plant pathogens and no antibacterial activity is provided by this invention, as well as a biologically pure culture of a strain having all the identifying characteristics of this strain. Also provided is a method of treating or protecting plants, fruit and roots from fungal infections by applying an effective amount of these strains, supernatants produced by these strains or a metabolite isolated from these strains. The invention further encompasses the synergistic fungicidal effect of using a strain of NRRL Accession Nos. B-30087 together with B-21661 (AQ 713).		

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