





Visions de la création variétale

Colloque en hommage à Michel Desprez

Mardi 23 novembre 2021

Académie d'Agriculture de France, 18 rue de Bellechasse 75007 Paris

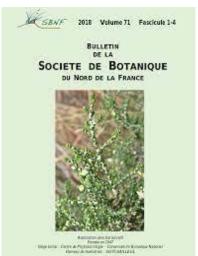
Premier Thème : Les Ressources Génétiques

Introduction

Michel Desprez : Un disciple de Vavilov, de Munerati , de Pernès...

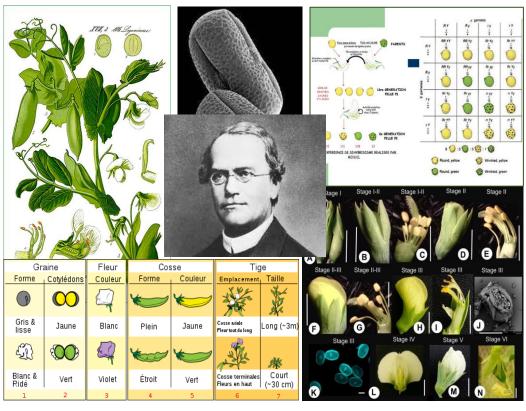


Un homme curieux des nouvelles connaissances en génétique et botanique ...









Le Jardinier de Mendel ...



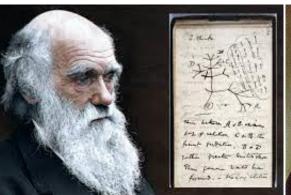
Les Fasciations végétales Le Professeur Lucien Plantefol (1891-1983)





Un homme curieux des nouvelles connaissances en génétique, en particulier sur les théories de l'évolution ...

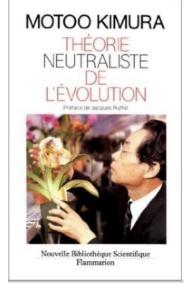




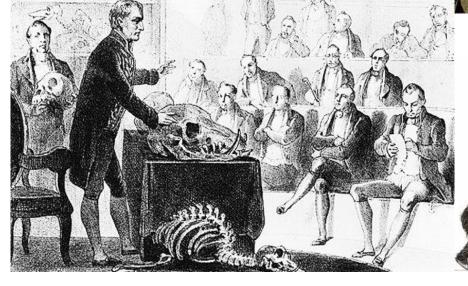


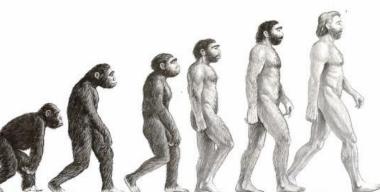






Julian Huxley 1922





Lutte contre l'influence néfaste de Trofim Lyssenko (1898-1976) Nikolaï Ivanovitch Vavilov (1887-1943) une source d'inspiration ...



L'apport de la génétique classique ...

Deuxième Période - Epoque de la « Génétique classique » 1930-1970

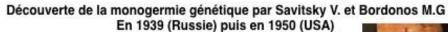






Graine monogerme en coupe







Dr Savitsky



Drs Savitsky







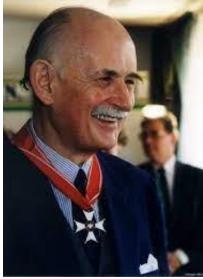




La valeur des Ressources Génétiques c'est aussi les hommes qui les accompagnent ... importance des données historiques





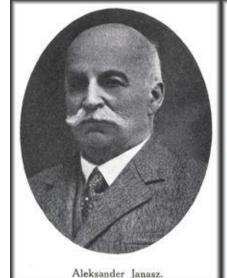




Professeur Tadeusz Wolski (1924-2005)











La valeur des Ressources Génétiques c'est aussi les hommes qui les accompagnent...importance des données historiques







Ottavio Munerati (1875 – 1949)













L'organisation et la générosité américaine ...



40 Journal of Sugar Beet Research Vol. 52 Nos. 3 & 4

USDA-ARS Sugarbeet Releases and **Breeding Over the Past 20 Years**

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⁴USDA-ARS, Crop Improvement and Protection Research, 1636 East Alisal Street, Salinas, CA 93905 ⁵USDA-ARS, Sugar Beet and Bean Research Unit, Michigan State University, 494F Plant and Soil Sciences, East Lansing, MI 48824-1325 Corresponding author: Lee Panella (lee.panella@ars.usda.gov)

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Aphan Aphanomyces resistance Beet mosaic virus resistance (Bm gene) BM**BChV** Beet chlorosis virus CRCercospora leaf spot resistance CTCurly top virus resistance

DMEmpoasca resistance, stay green under Emp infestation Emp

Erwinia resistance Erw

Fusarium stalk blight resistance Fus FOB Fusarium yellows resistance

LIY Lettuce infectious vellows virus resistance

LS Cercospora leaf spot resistance

NaCl Salt tolerance

ASSOCIATION DES

Nema Beet cyst nematode resistance (Heterodera schachtii)

BvmBeta vulgaris spp. maritima Accessions from Salinas, CA CTCurly top, Salt Lake City, UT ELAccessions from East Lansing, MI Accessions from Fargo, ND FC Accessions from Fort Collins, CO Germplasm $_{
m K}^{
m gp}$ Accessions from Kimberly, ID Accessions from Logan, UT \mathbf{M} Meloidogyne resistance, Yu. Salinas, CA $_{\rm PI}$ Plant Introduction Population popn Savitsky, Salinas, CA Accessions from Salt Lake City, UT SLCAccessions from Beltsville, MD and East Lansing, Sugar Plant Investigations SRSmooth root, East Lansing, MI WB Wild beet, usually sea beet, Bvm

P. betae Polymyxa betae resistance Powdery mildew quantitative resistance, (Pm gene) Root aphid resistance Rhizoctonia root rot resistance RKN Root knot nematode resistance (Meloidogyne spp.) Rhizomania resistance (Rz# gene) Sclerotium rolfsii resistance St Resp Storage respiration resistance

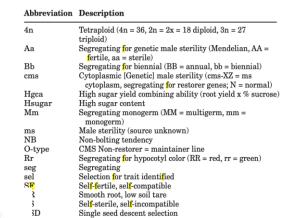
St Rot Storage rot resistance Virus Yellows (includes BWYV, BChV, BMYV, and BYV) resistance

CS Crop Science ASSBT Proceedings or Journal of American Society of Sugar Beet Technologists SBR Sugarbeet Research Annual Report to BSDF (Blue Book) SBR:CD Sugarbeet Research Annual Report to BSDF (Blue Book) on CD

Advances in Agronomy Journal of Plant Registrations

y, Fort Collins, CO **BEET SUGAR DEVELOPMENT** FOUNDATION

Accessions from Kimberly, ID Accessions from Logan, UT Meloidogyne resistance, Yu, Salinas, CA Plant Introduction



MM, VY, NB, 4n, SS SBR 1967-9 C630T SBR 1967:9 C7601 mm, CT, NB, SF SBR 1967:9 C7760, C760 MM, CT, VY, NB, SF MM, NB, Hsugar, 4n, SS,CT, from US22 MM, CT, VY, 4n, SS SBR 1968:A2 mm, CT, SF SBR 1969:A1 MM, CT, VY, NB, SS, see parental lines, pollinator of USH10 mm, CT, NB, O-type, SF mm, CT, NB, cms GP 6 CS 17:677-678 MM, CT, VY, NB, 4n, SS MM, CT, NB, Erw, SS, C17 type 590653 GP 5 CS 17:677-678 C321, C21 MM, CT, NB, composite, O-type, SS mm, CT, NB, O-type, SF CS 17:677-678 590815 5908

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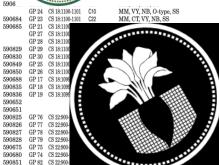
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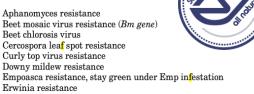
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AMERICAN SOCIETY OF **SUGAR BEET** TECHNOLOGISTS







Sugar Beet (altissima group)

Les collections Françaises et Devon Doney



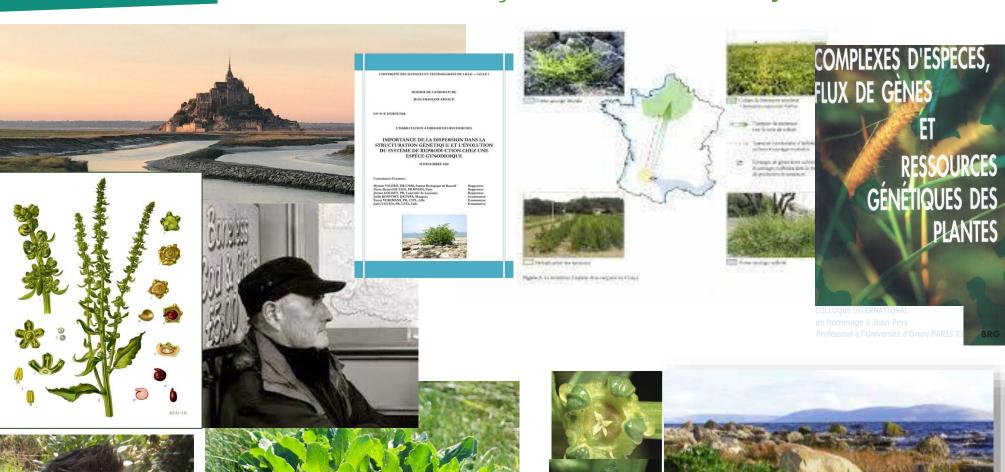








Les collections Françaises et Devon Doney













Tous les voyages sont prétextes à la prospection ...



















Science for Better Livelihoods in Dry Areas

Au-delà de la génétique et des plantes qu'il aimait découvrir et faire découvrir, c'était aussi les rencontres, les amitiés ...













