

เอกสารอ้างอิง

Asian Vegetable Research and Development Center. Annual Report

1973-1976, 1978-1979. Shanhua, Tainan, Taiwan, Republic of China.

Asian Vegetable Resrarch and Development Center. Chinese Cabbage Report for 1976. Shanhua, Tainan, Taiwan, Republic of China.

Badawi, M. A. and K. F. El-Sahhar. 1980. Influence of some growth substances on different characteristics of cabbage. Egyp. J. Hort. 6(2) : 221-235.

Carter, A.L. and T. Mc Neilly. 1975. Effects of increased humidity on pollen tube growth and seed set following self pollination in Brussels Sprouts (*Brassica oleracea* var.*gemmifera*) Euphytica 24(3) : 805-813.

De Guzmann, C.Nena., and Dafros A. Del Rosario. 1982. Changes in endogenous growth hormones levels associated with the flowering of cabbage (*Brassica oleracea* L.var.*capitata*.) Phil. Agric. 65(3):221-234.

Dhaliwal, A.S. and C.P.Malix.1982. Effect of carbon dioxide in overcoming self-incompatibility barriers in *Brassica campestris* var.*toria*. Proc. Ind. Acad. Soc. Plant Sci. 91(3):227-234.

Dhaliwal, A.S., C.P. Malix, and B. Singh. 1981. Overcoming incompatibility in *Brassica campestris* L. by carbon dioxide and dark fixation of the gas by self-and cross-pollinated pistils. Ann. Bot. 48(2):227-233.

- Eguchi, T., T. Matsumura, and T. Koyama. 1963. The effect of low temperature on flower and seed formation in Japanese radish and Chinese cabbage. Proc. Amer. Soc. Hort. Sci. 82:322-331.
- Elers, B and H. J. Wiebe. 1983. When does Chinese cabbage bolt? An intensive study. In Hort. Abstr. 54(1):16(134)
- Elers, B and H.J. Wiebe, 1984. Flower formation of Chinese cabbage I. Response to vernalization and photoperiod. Sci. Hort. 22 (3):219-231.
- Ferrari, T. E. and D.H. Wallace. 1977. Incompatibility on *Brassica* stigma is overcome by treating pollen with cyclohexamide. Sci. 196(4288): 436-438.
- Frydrych, J. 1978. Overcoming self-sterility in kohlrabi by increasing the concentration of carbon dioxide. In Plant Breed. Abstr. 49(3):151 (1832)
- Gates, P.J. and D.J. Ockendon. 1975. Seed set and pollen tube growth as a measure of self-incompatibility in *Brassica oleracea*. In Plant Breed. Abstr. 47(9):756 (8906)
- Gonai, H. 1969. Studies on self- incompatibility in Cruciferae: Influence of growth retardants on self-fertility (Abstract) Jpn. J. Breed. 19 (suppl. 2) : 97-98.
- Gonai, H. and K. Hinata, 1971a. Growth of pistils in relation to phenotypic expression of self-incompatibility in *Brassica* (Abstract) Jpn. J. Breed. 21:137-142.
- Gonai, H. and K. Hinata. 1971 b. Effect of temperature on pistil growth and phenotypic expression of self-incompatibility in

Brassica oleracea L. (Abstract). Jpn. J. Breed. 21:195-198.

Gowers, S. and D. Barclay. 1981. The induction of flowering in swede rape (*Brassica napus* ssp. *rapifera*). In Plant Breed. Abstr. 51(6):486(5568)

Guttermoen, G. and R. Moe. 1985. Effect of plant age and temperature on bolting in Chinese cabbage. Sci. Hort. 25(3):217-224.

Hinata, K. 1981. Self-incompatibility : Physiological aspects for the breeding of Cruciferous vegetables. p. 321-333. In N.S. Talekar and T. D. Griggs. (ed.). Chinese cabbage - Proceedings of the First International Symposium. AVRDC. Shanhua. Taiwan.

Ito, T. 1981. Feasible selfed seed production methods in self-incompatible Crucifer lines. p. 345-355. In N.S. Taleker and T. D. Griggs (ed.). Chinese cabbage - Proceedings of the First International Symposium. AVRDC, Shanhua, Taiwan.

Johnson, A.G. 1971. Factors affecting the degree of self-incompatibility in inbreed lines of Brussels sprouts. Euphytica 20(4):561-573.

Kakizaki, Y. 1930. Studies on the genetics and physiology of self- and cross-incompatibility in common cabbage (*Brassica oleracea* L.var. *capitata*. L.) (Abstract) Jpn. J. Bot. 5:133-208.

Kanno, T. 1973. On the behavior of pollen on stigmas in self-incompatible reaction in Crucifer. (Abstract). D. Sc. Thesis, Tohoku Univ. Japan.

Kanno, T. and K. Hinata. 1969. An electron microscopic studies of the barrier against pollen tube growth in self-incompatible Cruciferae. Plant Cell Physiol. 10:213-216.

- Kristof, E. 1981. Studies on factors inducing premature flower stem formation in Kohlrabi. In Hort. Abstr. 53(7):493(5065).
- Kryuchkov, A.V. and E.V. Mamonov. 1975. The effect of some environmental factors on self-incompatibility in white cabbage (Abstract) In Plant Breed. Abstr. 46(8):642(7605).
- Kulwal, L.V., G.S. Tayde, and A. T. Joshi. 1975. Preliminary studies on the effect of GA₃ on flowering and seed production of radish (*Raphanus sativus* L.) In Hort. Abstr. 47(3):232-233(2562).
- Lee, J. M. 1981. Effect of CO₂ treatment and other factors on selfed seed production in several self-incompatible Chinese cabbage inbred lines. p. 335-343. In N.S. Talekar and T. D. Griggs (ed.) Chinese cabbage-Proceedings of the First International Symposium. AVRDC, Shanhua, Taiwan.
- Lee, S.S. and J.Y. Yoon. 1981. Classification and interaction of S-alleles in Chinese cabbage. p.313-320. In N.S. Talekar and T. D. Griggs (ed.) Chinese cabbage. Proceedings of the First International Symposium. AVRDC, Shanhua, Taiwan.
- Lewis, D. 1954. Comparative incompatibility in angiosperms and fungi. Adv. Genet. 6:235-285.
- Liao, C.I. 1979. Breaking incompatibility of *Brassica oleracea* L. var *capitata*. L. by electric aided pollination. II. the effect of different electric current strength on breakage of self-incompatible barrier of *Brassica oleracea* L.var.*capitata* L. (Abstract). In Plant Breed. Abstr. 51(6): 488(5588).
- Liao, C.I. and T. F. Sheen. 1974. Effect of low temperature treatment

- on seed production of Cruciferous crops in Taiwan. Bull. Agric. Res. 3:49-52.
- Liu, Li-Chu. 1981. Flowering of Chinese cabbage in relation to temperature and GA₃ and physiological studies of heat tolerance and flooding tolerance of Chinese cabbage. AVRDC Research Interns' Report.
- Lorenz, O.A. 1946. Response of Chinese cabbage to temperature and photoperiod. Proc. Amer. Soc. Hort. Sci. 47:309-319.
- Matsubara, S. 1980. Overcoming the self-incompatibility in *Raphanus sativus* L. with high temperature. J. Amer. Soc. Hort. Sci. 105(6):842-846.
- Matsubara, S. 1984. Overcoming the self-incompatibility in *Raphanus sativus* by application of plant hormones, amino acid and vitamins, and by temperature treatment of pollen. Euphytica. 33(1):113-121.
- Michniewicz, Marian., Krystyna Kriesel, and Barbara Rozej. 1981. Role of endogenous growth regulators in vernalization of seeds of radish (*Raphanus sativus*) Acta Soc. Bot. Pol. 50(4):653-662.
- Nakanishi, T.; Y. Esashi, and K. Hinata. 1969. Control of self-incompatibility by CO₂ gas in *Brassica*. Plant Cell Physiol. 10:925-927.
- Nakanishi, T. and K. Hinata. 1973. An effective time for CO₂ gas treatment in overcoming self-incompatibility in *Brassica*. Plant Cell Physiol. 14(5):873-879.

- Nakanishi, T. and K. Hinata. 1975. Selfed-seed production by CO₂ gas treatment in self-incompatible cabbage. *Euphytica* 24 (1):117-120.
- Nasrallah, M.E. 1974. Genetics control of quantitative variation in self-incompatibility proteins detected by immuno-diffusion. *Genetics*. 76:45-50.
- Nasrallah, M.E. and D.H. Wallace. 1968. The influence of modifier genes on the intensity and stability of self-incompatibility in cabbage. *Euphytica* 17:495-503.
- Nieuwhof, M. 1969. Cole Crops. Leonard Hill, London. p. 353.
- Nieuwhof, M. and D. L. Visser. 1972. Regulation of flowering in *Brassica* crops. II. In. *Plant Breed. Abstr.* 43(5):324(3965).
- Nishio, T. and K. Hinata. 1977. Analysis of S-specific proteins in stigma of *Brassica oleracea* L. by isoelectric focusing. *Heredity*. 38:391-196.
- Ockendon, D.J. 1973. Selection for high self-incompatibility in inbred lines of Brussels sprouts. *Euphytica* 22(3):503-509.
- Ockendon, D.J. 1975. Dominance relationship between S-alleles in the stigma of Brussels sprouts (*Brassica oleracea* var. *gemmifera*) *Euphytica* 24:165-172.
- Ockendon, D.J. 1978. Effect of hexane and humidity on self-incompatibility in *Brassica oleracea*. *Theor. Appl. Genet.* 52(3): 113-118.
- O'Niell, P., M.B. Singh., T.F. Neals, R.B. Knox, and E.G. Williams. 1984. Carbon dioxide blocks the stigma callose response

following incompatible pollinations in *Brassica*. Plant Cell Env. 7(4):285-288.

Peng, J. 1979. Effect of temperature and growth regulators on bolting and flowering of Chinese Cabbage. AVRDC Research Interns' Report.

Permadi, A.H. 1974. A method to induce the flowering of Chinese cabbage variety Granet. Under tropical conditions. Agric. Co-op Indonesia. The Neth. Res. Rep., 1968-1974, Sec.2. Tech. Cont., Rep. of Ind. Min. Agric. :354-356.

Prabha, K., R. Sood, S. Govil, and S.C. Gupta. 1981. Overcoming self-incompatibility in *Brassica campestris* cv. Lotni by naringinin (Abstract) In Plant Breed. Abstr. 52(3):208 (2294).

Pressman, Etan and Moshe Negbi. 1981. Bolting and flowering of vernalized *Brassica pekinensis* as affected by root temperature. J. Exp. Bot. 32(129):821-826.

Pyo, H.K., B.Y. Lee, and Y. Park. 1976. Studies on the control of bolting and flowering in radishes I. Effects of GA, IAA, IAA + GA, ethephon, B-9 (daminozide) and MH(Maleic hydrazide) at various concentrations and growth stages on bolting and flowering in the radish cultivars Tokinashi and Seoul-Bommoo. J. Kor. Soc. Hort. Sci. 17(1):47-54.

Richards, R.A. and N. Thurling. 1973a. The genetics of self-incompatibility in *Brassica campestris* L.ssp.*oleifera* Metzg. I. Characteristics of S-locus; control of self-incompatibility.

Genetica 44(3):428-438.

Richards, R.A. and N. Thurling. 1973b. The genetics of self-incompatibility in *Brassica campestris* L.ssp. *oleifera* Metzg. II. Genotypic and environmental modification of S-locus control. Genetica 44(3):439-453.

Roggen, H. 1975. Stigma application of an extract from rape pollen (*Brassica napus* L.) effect self-incompatibility in Brussels sprouts (*Brassica oleracea* L.var. *gemmifera* D.C.) (Abstract). In Plant Breed. Abstr. 47(9):756(8907).

Roggen, H. 1976a. The success of breaking self-incompatibility in *Brassica oleracea* L. after EAP and TAP treatments depends on the age of the flowers. (Abstract) In Plant Breed. Abstr. 47(9):756(8903).

Roggen, H. 1976b. Two new methods of nullifying self-incompatibility in *Brassica oleracea* : experiences with the thermal and RPC pollination techniques (Abstract) In Plant Breed. Abstr. 47(7):578(6837).

Roggen, H. 1979. Stigmatic application of paraffin oil overcomes self-incompatibility in *Brassica*. (Abstract) In Plant Breed. Abstr. 51(3):236(2615).

Roggen, H. and A.J. van Dijk. 1976. 'Thermally aided pollination' A new method of breaking self-incompatibility in *Brassica oleracea* L. Euphytica 25(3):643-646.

Roggen, H.P.J.R., A.J. van Dijk ; and C. Dorsman. 1972. "Electric aided" pollination : a method of breaking incompatibility in

Brassica oleracea L. *Euphytica* 21(2): 181-184.

Romanova, L.V. and G. V. Boos. 1981a. Effects of temperature on growth, development and hormonal composition in cabbage. In *Plant Breed. Abstr.* 54(2-3):169(1812).

Romanova, L.V. and G.V. Boos. 1981b. The effect of temperature on the growth, development and hormonal balance in head cabbage. In *Hort Abstr.* 52(8) : 522 (5404).

Shivanna, K.R., Y. Heslop-Harrison, and J. Heslop-Harrison. 1978. The pollen stigma interaction. ; bud pollination in the Cruciferae. *Acta Bot. Neerl.* 27(2):107-119.

Suge, Hiroshi. 1984. Re-examination on the role of vernalization and photoperiod in the flowering of *Brassica* crops under controlled environment. *Jpn. J. Breed.* 34(2):171-180.

Tatebe, T. 1945. Studies on the inhibiting substance that prevents the self-fertilization of the Japanese radish(Abstract)
J. Jpn. Soc. Hort. Sci. 16:106-124.

Tatebe, T. 1964. Studies on the physiological mechanism of self-incompatibility in Japanese radish. I. Influence of air humidity on self-fertility.(Abstract) *J. Jpn. Soc. Hort. Sci.* 33:62-66.

Tatebe, T. 1979. On the physiological mechanism of self-incompatibility in Japanese radish. VI. Effect of recognition pollen on self-incompatibility (Abstract). *J. Jpn. Soc. Hort. Sci.* 48(2): 195-198.

- Taylor, J.P. 1982. Carbon dioxide treatment as an effective aid to the production of selfed seed in kale and Brussels sprouts. *Euphytica* 31(3):957-964.
- Thomas, T.H. 1980. Flowering of Brussels sprouts in response to low temperature treatment at different stages of growth *Sci. Hort.* 12(3):221-229.
- van Dijk, A.J. and H. Roggen. 1981. The influence of some alkanes on self-incompatibility in cole crops (Abstract) In *Plant Breed. Abstr.* 52(3):220(2429)
- van Marrewijk, N.P.A. and D.L. Visser. 1978. The effect of relative humidity on incompatibility and fertility in *Brassica oleracea* L. *Neth. J. Agric. Sci.* 26(1):51-58.
- Wiebe, H.J. 1984. Premature bolting of black radish. In *Hort Abstr.* 55(5):349(3421).
- Wiebe, H.J. 1985. Influence of daylength on bolting of radish (*Raphanus sativus* L.var. *niger* Mill.) In *Hort Abstr.* 54(2-3): 81(805).
- Young, Park, Hyun Koo Pyo, and Byoung Yil Lee. 1976. The effect of low temperature and daylength on bolting and flowering in radishes. *J. Kor. Soc Hort. Sci.* 17(2): 113-118.
- Zee, S.Y. 1975. Studies on Chinese flowering cabbage (*Brassica parachinensis*) III. Effects of temperature on the growth of the flower-stalk. *Agric. Hong Kong* 1(4):274-277.
- Zee, S.Y. and S.M. Tsui. 1975. Studies on Chinese flowering cabbage (*Brassica parachinensis*) II. Effects of indole-3-acetic acid

(IAA) and gibberellic acid (GA_3) on the growth and development
of the flower-stalk. Agric. Hong Kong. 1(4):266-272.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright[©] by Chiang Mai University
All rights reserved