

## **BIBLIOGRAPHY**

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- Abou-Zeid, E.N. and M.Y. Bakry. 1978. The effects of GA<sub>3</sub>, CCC and B-9 upon growth, development and organic compounds in Primula obconica. *Scientia Hortic.* 9: 175-180.
- Adedipe, N.O., D.P. Ormrod and A.R. Maurer. 1968. Response of pea plants to soil and foliar applications of cycocel (2-chloroethyl trimethyl ammonium chloride). *Cand. J. Plant Sci.* 18 : 323-325.
- Adler, P.R. and G.E. Wilcox. 1987. Influence of thigmatic stress or chlormequat chloride on tomato morphology and elemental uptake. *J. Plant Nutr.* 10 : 831-840.
- Agafonov, N.V. and V.N. Kazakova. 1984. Chlorocholine chloride as growth, shooting and productivity regulator in orchard plants. *S-KH Biol.* 0(10) : 48-55.
- Archer, M.C., D.J. Hansen and D.F. Loussaert. 1982. Corn yields-Rate limiting factors and opportunities in plant growth regulation. In : Chemical manipulation of crop growth and development (ed J.S. McLaren), pp. 253-265. London : Butterworths.
- Atkins, C.A., J.S. Pate, A. Ritchie and M.B. Peoples. 1982. Metabolism and translocation of allantoin in ureide-producing grain legumes. *Plant Physiol.* 70 : 471-482.
- Badanova, K.A. and V.V. Levina. 1970. Effect of gibberellin and the retardant CCC (chlorocholine chloride) on drought hardiness of barley. *Fiziol. Rast.* 17 : 568-574.

- Baldev, B. and A. Lang. 1965. Control of flower formation by growth retardants and gibberellin in Samolus parviflorus (Primulaceae), a long day plant. Amer. J. Bot. 52 : 408-417.
- Barnes, M.F., E.N. Light and A. Lang. 1969. The action of plant growth retardants on terpenoid biosynthesis. Inhibition of gibberellic acid production in Fusarium moniliforme by CCC and AMO-1618; action of these retardants on sterol biosynthesis. Planta 88 : 172-182.
- Batjar, L.P., M.W. Williams, and G.C. Martin. 1964. Effect of N-Dimethyl amino succinamic acid (B-9) on vegetative and fruit characteristics of apples, pears, and sweet cherries. Proc. Am. Soc. Hort. 88 : 76-78.
- \*Bengtsson, A. 1987. Yield and quality of two spring wheat varieties given different nitrogen fertilizing growth regulation. Sverlantbru K.S. Univ. Inst. Vax. Todling Rapp. 171 : 1-30.
- Bergersen, J.F. 1971. Biochemistry of symbiotic nitrogen fixation in legume. Ann. Rev. Plant Physiol. 22 : 121-140.
- Berlyin, G.P. and J.P. Miksche. 1976. Botanical Microtechnique and Cytochemistry. The Iowa State University Press, Ames. Iowa.
- Bernfeld, P. 1955. Amylases,  $\alpha$  and  $\beta$ . Metho. Enzym. 1 : 149-155.
- Bhatt, J.G. and A.R.S. Nathan. 1970. Changes in foliar anatomy of cotton caused by growth retardants. Indian J. Agri. Sci. 40 : 1142-1146.
- \* Originals not consulted.

- Bhatt, J.G. and T. Ramanujam. 1970. Effect of cycocel on yield, chlorophyll content and fibre properties of lint of MCU cottons. Indian J. Plant Physiol. 13 : 180-184.
- Birecka, H. 1967. Influence of 2-chloroethyl trimethyl ammonium chloride (CCC) on photosynthetic activity and assimilate distribution in wheat. In : Proc. Sym. on Isotopes in plant nutrition and physiology. 5-9, Sept. 1966, Vienna, Austria.
- Bocion, P.F., W.H. de Silva, G.A. Huppi and W. Szkrybalo. 1975. Group of new chemicals with plant growth regulatory activity. Nature (Lond.) 258: 142-144.
- Bourquin, H.D. and G. Allewedt 1970. The effect of CCC and B-995 on the growth of grape vine shoot. Vitis-Ber. Rebenf O. Rsch. 9(2) : 105-120.
- Bragg, P.L. 1982. Roots and their function in soil. Yield of cereals : Course papers, 1982, pp. 47-51-N.A.C.Cereal Unit, Stoneleigh, Kenilworth; Warwickshire, England.
- \*Briggs, C.E., F.Kidd and C.West. 1920. A quantitative analysis of plant growth. I & II. Ann. Appl. Biol. 7 : 103-202 and 202-223.
- Brown, C.M. and E.B. Earley. 1973. Response of one winter wheat and two spring oat varieties to foliar application of 2-chloroethyl phosphonic acid (Ethrel). Agron J. 65 : 829-832.

\* Originals not consulted.

- Brückner, U. and W. Höfner, 1980. Verstärkte Halmverkürzung und Ertragssteigerung durch kombinierte Anwendung der Wachstumsregulatoren CCC und Ancymidol bei Sommerweizen. Z. Acker- und Pflanzenbau. 149: 328-334.
- Caldicott, J.J.B. and C.D. Lindley 1964. The use of CCC to prevent lodging in wheat. Proc. 7th Br. Weed Control Conf. pp. 49-56.
- Carr, D.J. and D.M. Reid 1968. The physiological significance of the synthesis of hormones in roots and their export to the shoot system. In : Biochemistry and Physiology of Plant growth substances (ed. F. Wightman and G. Setterfield), pp. 1169-1185. Ottawa Runge press.
- Cartwright, P.M. and S.R. Waddington. 1982. Growth regulators and grain yield in spring cereals. In : Opportunities for manipulation of cereal productivity (eds. A.F. Hawkins and B. Jeffcoat), Monograph BPGR Group No. 7, pp. 61-70.
- Cathey, H.M. 1964. Physiology of growth retarding chemicals, Annu. Rev. Plant Physiol. 15: 271-302.
- Chailakhyan, M.Kh. and R.Sh. Arutyunyan. 1968. Effect of the retardant CCC on growth, tuber formation and rhizosphere micro-organisms in legumes. Biol. Zharm. 21(4) : 3-11.
- Chakraverty, R.K. 1969. Cycocel induced change in rice Oryza sativa. Bull. Bot. Soc. Bengal 23(2): 213-218.

- Charles, G.E., W.E. Craig and F.R. Forsyth 1987. Effect of daminozide, chlormequat, and paclobutrazol on growth and fruiting of 'Clapp's Favorite Pears. Hort Science 22(1): 55-56.
- Choudhri, R.S., P.K. Roychoudhri and P.A. Veeraghavan. 1976. Response of potato crop to treatment with ascorbic acid and cycocel. Indian J. Plant Physiol. 14(1):15-19.
- Cobianchi, D., M. Biguzzi and G. Torelli 1985. Growth regulators effects on young cherry trees. Proc. 5th Intl. Symp. Growth Regulat. in Fruit Prod. ISHS. p.103 (Abstr.)
- Coolbaugh, R.C. and R. Hamilton 1976. Inhibition of ent-kaurene oxidation and growth by  $\alpha$ -cyclo propyl- $\alpha$ -(P-methoxy-phenyl) 5-pyrimidine methyl alcohol. Plant Physiol. 57 : 245-248.
- Coombe, B.G. 1965. Increase in fruit set of Vitis vinifera by treatment with growth retardants. Nature (Lond.) 205 : 305-306.
- Coombe, B.G. 1967. Effect of growth retardants on Vitis vinifera. Vitis 6 : 278-287.
- Couture, R.M. 1982. PP-333 : A new experimental plant growth regulator from ICI- Proc. Plant Growth Regul. Soc. Amer. 9 : 59.
- Dahnous, K., G.T. Vigue, A.G. Law, C.F. Konzak and D.G. Miller. 1982. Height and yield response of selected wheat, barley and triticale cultivars to ethephon. Agron. J. 74 : 580-582.

- Dale, J.E. and G.M. Felipe 1968. The gibberellin content and early seedling growth of Phaseolus vulgaris with growth retardant CCC. *Planta* 80(3): 288-298.
- Dall'olio, G. 1964a Effect of the growth retarding compounds, CCC and AMAB on the growth and alkaloid content of Datura stramonium G. *Bot. Ital.* 71(1/2): 23-27.
- Dall'olio, G. 1964b Preliminary experiments on effects of chloro choline chloride (CCC) and gibberellin A on vegetative and reproductive development of Canabis sativa G. *Bot. Ital.* 71(1/2) : 35-42.
- Dalziel, J. and O.K. Lawrence 1984. Biochemical and biological effects of kaurene oxidase inhibitors such as paclobutrazol. In : Biochemical aspects of synthetic and naturally occurring plant growth regulators, Monograph II (eds. R.Menhennet and D.K.Lawrence) pp. 43-57, British Plant Growth Regulator Group, Wantage, G.B. ISB No. 906673-09-7.
- Daniels, R.W., D.H.Scarisbrick, J.F. Chapman and A.B.Noorawi 1982. The influence of plant growth regulators on the growth, development and yield of oil seed rape (Brassica napus L.) In: Chemical manipulation of crop growth and development (ed.J.S.McLaren) pp.153-164 London. Butterworths.
- Davis, T.D., N. Sankhla, R.H. Walser and A.Upadhyaya 1985. Promotion of adventitious root formation on cuttings by paclobutrazol. *Hort Science* 20: 883-884.

- Dheim, M.A. and G.Browning 1988. The mechanism of the effect of (2 R S, 3 RS)-paclobutrazol on flower initiation of pear cvs Poyenne du Comice and Conference. J. Hort. Sci. 63(2): 343-405.
- Douglas, T.J. and L.G.Paleg 1972. Inhibition of sterol biosynthesis by 2-isopropyl-4-dimethyl amino-5-methyl phenyl-1-piperidine carboxylate methyl chloride in tobacco and rat liver preparations. Plant Physiol. 49: 417-420.
- Douglas, T.J. and L.G.Paleg, 1974. Plant growth retardants as inhibitors of sterol biosynthesis in tobacco seedlings. Plant Physiol. 54: 238-245.
- El-Fouly, M. and N.Ashour 1970. Interactive effect of chlorocholine chloride and gibberellic acid on photosynthetic pigment contents in leaves of cotton seedlings. Biochem. Physiol. Pflanz. (BPP) 161:225-230.
- El-Fouly, M.M., R. Sakr, M.K.Fouad, A.M.Zahir and A.E.Fawzi. 1988. Effect of GA, CCC and B-9 on morphological characters and yield of kidney beans (Phaseolus vulgaris L.) J. Agron. Crop Sci. 160: 94-101.
- El-keltawi, N.E. and R. Croteau. 1987. Influence of herbicide and growth regulators on the growth and essential oil content of sage. Phytochemistry 26 : 675-679.
- Ellabban, H.M. 1977. Growth and chemical changes in Pimpinella anisum after treatment with CCC. Sci. Biol. J. 3 : 335-340.

- Evans,L.T. 1976. The physiological basis of crop yield. In :  
Crop Physiology (ed.L.T.Evans), pp.327-355. London.  
Cambridge University Press.
- \*Farrahi-Aschtiani,S., M.Rajai, H. Ehsandoust and H.Salmat.  
1987. The changes of N.P. and phytate P-in grains of  
winter wheat after treatment with CCC, copper and  
sulfur. Ann. Meet. Amer. Soc. Plant Physiologist.  
July 19-23, 1987, Louis, Missouri.
- Felippe,G.M. 1969. Effect of growth retardant CCC (2-chloroethyl  
trimethyl ammonium chloride) on growth of stem and  
roots of Phaseolus vulgaris. Phyton. Rev. Intl.Bot.  
Exp. 26: 3-15.
- Field,R.J. and A.R.Whitford. 1982. The retardation of grass  
growth by synthetic plant growth regulators. In:  
Chemical manipulation of crop growth and development  
(ed.J.S. McLaren), pp.485-504. London: Butterworths.
- Fisher,J.B. 1970. Control of the internodal intercalary meristem  
of Cyperus alternifolius. Amer. J. Bot. 57: 1017-1026.
- Fujihara,S. and M. Yamaguchi. 1978. Probable site of allantoin  
formation in nodulating soybean plants. Phytochemistry.  
17 : 1239-1243.
- Firgany,A.H., A.Zaher,M.K.Foad and M.M.El-Fouly. 1980.  
Chlormequat induced morphological and anatomical  
modifications and changes in amylase and invertase  
activities in wheat plants (Giza 155) grown in pots.  
Field Crop Abstr. 33: 9758.

\* Originals not consulted.

- Garrod,J.F. 1982. The discovery and development of plant growth regulators. In: Plant growth regulator potential and practice (ed. T.H.Thomas), pp.29-56. London: BCPC Publications.
- Gill,W.D., R.W.Lang and J.B.A. Rodger. 1974. The effect of Chlormequat and nitrogen on straw length, lodging and grain yield of wheat. *Exp. Husb.* 27 : 50-56.
- Grossmann,K., E.W.Weiler and J.Jung. 1985. Effects of different sterols on the inhibition of cell culture growth caused by the growth retardant tetcyclacis. *Planta.* 164:370-375.
- Gordon,A.J., G.J.Ryle, D.F.Mitchell and C.E.Powell. 1985. The flux of  $^{14}\text{C}$ /labelled photosynthate through soyabean root nodules during nitrogen fixation. *J.Exp.Bot.* 36:756-769.
- Goudreddy,B.S., V.S.Patil and G.D.Radder. 1986. Effect of CCC and hormones on growth and yield of irrigated Rabi sorghum. *J. Maharashtra Agric. Univ.* 11: 156-158.
- Gunasena,H.P.M. and R.H.G.Clemants. 1970. A preliminary investigation into the effect of (2-chloroethyl)trimethyl ammonium chloride,CCC, on the growth and development of dwarf bean, *Phaseolus vulgaris* L. *J. Natl. Agric. Soc. Cylon.* 7:14-24.
- Guruprasad, A. and K.N.Guruprasad. 1988. Interaction of potassium ions and gibberellin in the control of hypocotyl growth in *Amaranthus caudatus*. *Physiol. Plant.* 74: 154-158.
- Guttridge,C.G. 1966. The interaction of (2-chloroethyl) trimethyl ammonium chloride and gibberellic acid in strawberry. *Physiol. Plant.* 19 : 397-402.

- Halevy,A.H. and R.Shilo. 1970. Promotion of growth and flowering and increase in content of gibberellins in Gladiolus plants treated with growth retardant CCC. *Physiol. Plant.* 23: 820-827.
- \*Halevy,A.H. and S.H.Wittwer, 1965. Growth promotion in snapdragon by CCC, a growth retardant. *Naturwissenschaften.* 52: 310.
- Harada,H. and A.Lang, 1965. Effect of some (2-chloroethyl) trimethyl ammonium chloride analogs and other growth retardants on gibberellin biosynthesis in Fusarium moniliforme. *Plant Physiol.* 40 : 176-183.
- Harborne,J.B. 1984. Phytochemical Methods. A Guide to Modern Techniques of Plant Analysis. Chapman and Hall. London.
- Hardy,R.W.F., R.D.Holstem, E.K.Jackson and R.C.Burns. 1968. The acetylene-ethylene assay for N<sub>2</sub> fixation : Laboratory and field evaluation. *Plant Physiol.* 43: 1185-1207.
- Hartee,E.F. 1972. Determination of protein. A modification of Lowry method that gives a linear photometric response. *Anal. Biochem.* 48 : 422-427.
- Hassan,H.M., M.M.El-Fouly, S.I.El-Bassiony and K.A.Attia. 1975. Response to wheat to combined treatment of chlormequat and 2,4-D on plant properties and CCC- residue contents. Z-Acker. *Pflanzenbau* 141 : 55-70.
- Hawker,J.S. and R.R.Walker. 1978. Effect of sodium chloride on expansion rates and invertase activity of leaves. *Aust.J. Plant Physiol.* 5 : 73-80.

\* Originals not consulted.

- Hebblethwaite,P.D., J.G.Hampton and J.S.McLaren. 1982. The chemical control of growth, development and yield of Lolium perenne grown for seed. In : Chemical manipulation of crop growth and development (ed.J.S.McLaren), pp.505-523. London : Butterworths.
- Heide,O.M. 1969. Interaction of growth retardants and temperature in growth, flowering, regeneration and auxin activity of Begonia cheimantha Everett. Physiol. Plant. 22 : 1001-1012.
- Hewitt,H.G., J.F.Garrod,L.G. Copping and D.Greenwood. 1982. The effect of BTS 44584, a ternary sulphonium growth retardant on net photosynthesis and yield in soyabeans. In : Chemical manipulation of Crop growth and development (ed. J.S.McLaren), pp.221-235. London : Butterworths.
- Höfner,W.,D.Feucht, and U.Brückner, 1980. Beeinflussung der Ahren-und Korentwicklung von Sommerweizen durch Wachstumsregulatoren. Z.Acker-und Pflanzenbau 149: 177-182.
- Höfner,W., D.Feucht and M.Schmitz. 1984. Modification of morphological and physiological yield formation factors in wheat by N-fertilization and growth regulator application Ber.Deutsch. Bot. Ges. Bd. 97, S. 139-150.
- Höfner,W. and H.Kühn. 1982. Effect of growth regulator combinations on ear development, assimilate translocations and yield in cereal crops. In : Chemical manipulation of crop growth and development (ed.J.S.McLaren), pp.375-390. London : Butterworths.

\*Holcomb,E., E.Jay and J.W.White. 1987. Duration of plump cells affects growth and flowering of geraniums. *Appl.Agric. Res.* 2 : 350-353.

Hruska,L. and J.Propper 1970. A study of the influence of the morphoregulating CCC production on the growth of potato. *Acta Univ. Agric. Brno.Fac. Agron (A)*. 18: 23-34.

\*Hungerbuhler,K. and D.Peclard 1965. Ergebnisse verschiedener CCC-ver suche des Jahres. 1964. Der zurcher Bauer, No.9. Jan. 26.

Humphries, E.C. 1963. Effect of (2-chloroethyl) trimethyl ammonium chloride on plant growth, leaf area, and net assimilation rate. *Ann. Bot.* 27 : 517-531.

\*Humphries,E.C. 1963. Plant growth regulators : Chemical activity, plant responses and economic potential. Rothamsted Experimental Station Annual Report, 88.

\*Humphries, E.C. 1965. Rothamsted Experimental station Annual Report, 1964. p. 101.

Humphries,E.C., P.J.Welbank and K.J.Witts. 1965. Effect of CCC (Chlorocholine chloride) on growth and yield of spring wheat in the field. *Ann.Appl.Biol.* 56: 351-361.

Izumi, K., I. Yamaguchi, A.Wada, H. Oshio and N.Takahashi. 1984. Effect of a new plant growth retardant (E)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)-1-penten-3-ol (S-3307) on the growth and gibberellin content of rice plants. *Plant Cell Physiol.* 25: 611-617.

\* Originals not consulted.

Ignatev, L.A., F.R. Kalimullina and M. Iklanova. 1985. Chlorocholine chloride as a regulator of plant resistance to drought and heat. Izv. Sibotd. Akad. Nauk. SSSR. Ser. Biol Nauk 0(1): 83-88.

\*Jackowska, I. 1968. Influence of (2-chloroethyl)trimethyl ammonium chloride (CCC) applied in autumn on the development and yield components of winter wheat. Pamiet. Pulawski. 31 : 39-76.

Jones, R.L. and I.O.J. Phillips. 1967. Effect of CCC on the gibberellin content of excised sun flower organs. Planta. 72: 53-59.

Jung, J., H. Koch, N. Rieber and B. Wuerzer. 1980. Zur wachstumsregulierenden Wirkung von Triazolin- und Azirdinderivaten des Norbornenodiazetins. Z. Acker. Pflanzenbau. 149: 128-136.

Jung, J., B. Wurzer and H. Von Amsberg. 1975. Biological activity of new onium compounds in cotton and other crops. Proc. Plant Growth Regulator Working Group Meeting, Chicago, Illinois.

\*Kabachinick, M.I. and P.A. Rossiyskaya. 1946. Investigation in the field of organic compounds of phosphorous. Part II. On the conversion of trichloro ethyl phosphite in to compounds of pentavalent phosphorous. Izv. Akad. SSSR. Ser. Kh. Nauk. 4 : 403-410.

Kabi, T. and R. Sarma. 1973. An analysis of IBA, GA<sub>3</sub> and CCC interactions in the growth of leaves of Ipomoea batatas L. Indian J. Plant Physiol. 16: 140-145.

\*Originals not consulted.

- Kende, H., H. Ninnemann and A. Lang. 1963. Inhibition of gibberellic acid biosynthesis in Fusarium moniliforme by Amo-1618 and CCC. Naturwissenschaften. 50: 599-600.
- Khan, K. and A.K. Wasti. 1982. Influence of (2-chloroethyl) trimethyl ammonium chloride on the growth and development of wheat (Triticum aestivum cultivar C-591). Pak. J. Sci. Ind. Res. 25(6): 239-241.
- Kharanyan, N.N. 1969. Effect of the retardant chlorocholine chloride (CCC) on nitrogen metabolism of plants. Fiziol. Rast. 16(5) : 865-869.
- Knapp, J.S., C.L. Harms, and J.J. Volence. 1987. Growth regulator effects on wheat culm nonstructural and structural carbohydrates and lignin. Crop Sci. 27 : 1201-1205.
- Knypl, J.S. 1967. Coumarin, phosphon-D and CCC- the inhibitors of chlorophyll and protein degradation in senescing leaf tissue of kale. Flora Abt. Physiol. Biochem. 158(2): 230-240.
- Koranteng, G.O. and S. Matthews. 1982. Modification of the development of the spring barley by early application of CCC and GA<sub>3</sub> and the subsequent effects on yield components and yield. In: Chemical manipulation of crop growth and development (ed. J.S. McLaren), pp.343-357. London : Butterworths.
- Kotting, K., K. Hofman and W. Höfner. 1988. Möglichkeiten zur Beeinflussung der Ertragsleistung von Mais (Zea Mays L.) durch Wachstumsregulatoren. J. Agron. Crop. Sci. 160 : 64-71.

- \*Lacoppe, J.E. and T. Gaspar. 1968. The specificity of growth retardants. Cr. Hebd. Seances Acad. Sci. Ser. DSCT Natur. Paris. 266(25): 2330-2331.
- Lang, A. 1970. Gibberellins : Structure and metabolism. Annu. Rev. Plant Physiol. 21 : 537-570.
- Lange, P. 1976. The influence of season and concentration of the efficacy of CCC applied to Euphorbia pulcherima. Angew. Bot. 50(3/4) : 123-134.
- Larter, E.N. 1967. The effect of CCC on certain agronomic traits of barley. Can J. Pl. Sci. 47 : 413-421.
- Lawn, R.J. and W.A. Brun. 1974. Symbiotic nitrogen fixation in soybeans I. Effect of photosynthate source-sink manipulations. Crop Sci. 14 : 11-16.
- Lever, B.G. 1982. The need for plant growth regulators. In : Plant growth regulator potential and practice (ed. T.H. Thomas), pp. 3-27. London : BCPC Publications.
- Leith, H. 1965. Indirect method of measurement of dry matter production. In : Methodology of plant ecophysiology (ed. F.E. Eckardt), pp. 513-518. UNESCO Paris.
- \*Libbert, E. and I. Urban, 1964. Improvement of ability of shoots convolvulus to take roots by means of the "antigibberellin" 2-chloroethyl trimethyl ammonium chloride. Naturwissenschaften 51(4): 92-93.
- Linser, H. and H. Kühn, 1962. Prevention of lodging by using gibberellin antagonists such as CCC (chloro choline chloride) Z. Pfl.-Ernahr. Dung-Bodenk. 96 : 231-247.

\*Originals not consulted.

- \*Linser, H. and H. Kühn 1964. The effects of chlorocholine chloride (CCC) on shortening of the straw, on yield and nitrogen uptake in various varieties of winter wheat. Z. Acker-U-PflBau. 120: 1
- Linser, H., H. Kühn and J. Bohring. 1963. Investigations on the effect of CCC on different species and varieties of summer cereals. Z. Acker-u. PflBau. 117 : 129-154.
- Linser, H., H.H. Mayer and G. Bodo. 1961. Über die Wirkung von chlorocholinechlorid auf sommerweizen. Bodenkultur. 12 : 279-280.
- Lowett, J.V. and P.W. Orchard. 1974. Influence of CCC on sunflower growth, development and yield under controlled environment and field conditions. Proc. 6th Intl. Sunflower Conf. Bucharest, 153-158.
- Lurssen, K., and W. Reiser 1985. Chemistry and physiological properties of the new plant growth regulator RSW 0411. Proc. 1985 Brit. Crop Protection Conf.-Weeds, 121-128.
- Macchia, F. 1967. Morphological, anatomical and ultrastructural effects induced by growth retardants in seedlings of Pisum sativum L. cv. 'Gloriad Quimper' cultivated in nutrient solution. G. Bot. Ital. 101(6):361-390.
- Maiti, S.C. and P.K.Sen 1968. Effect of growth retardants on flowering and fruiting of Langra Mango. Curr. Sci. 37 : 566-567.

\* Originals not consulted.

- Matthews, P.R. and J.I.B.Caldicott. 1981. Ann. Appl. Biol. 97  
227-236. Cited by Koranteng, G., and S. Matthews. 1982.  
Modification of the development of spring barley by  
early application of CCC and GA<sub>3</sub> and the subsequent  
effects on yield components and yield. In : Chemical  
manipulation of crop growth and development (ed J.S.  
McLaren), pp.343-357. London : Butterworths.
- Matthews, S. and W.J.Thomson 1984. Growth regulation : Control  
of growth and development. In : Cereal Production  
(ed. E.J. Gallagher) pp.259-266, London : Butterworths.
- Mayer, H.H., E.Primost and G. Rittmeyer, 1962. Untersuchungen  
uber die Erhohung der Standfestigkeit von Getreide  
und Feldversuche mit CCC zu Winterweize Bodenkultur  
13: 27-45.
- McArthur,D.A.J. and G.W. Eaton 1988. Strawberry yield response  
to fertilizer, paclobutrazol and chlormequat. Scientia  
Hortic 34 : 33-45.
- McClure,P.R. and D.W. Israel 1979. Transport of Nitrogen in  
the xylem of soybean plants. Plant Physiol. 64: 411-416.
- McClure, P.R., D.W. Israel and R.J.Volk 1980. Evaluation of the  
relative ureide content of xylem sap as an indicator of  
N<sub>2</sub> fixation in soybeans. Plant Physiol. 66: 720-725.
- McCready, R.M., J. Guggolz, V.Silviera and H.S.Owens. 1950.  
Determination of starch and amylase in vegetable.  
Application to peas.. Anal. Chem. 22(9) : 1156-1158.

- Mehrotra, O.N., R.C.Garg and I.Singh 1970. Effect of CCC (2-Chloroethyl trimethyl ammonium chloride) on growth and yield of okra (Abelmoschus esculentus L. Moench) Indian J. Plant. Physiol. 13(2): 174-179.
- Menzel, C.M. 1984. Potato (Solanum tuberosum) as a potential crop for the low land tropics. Trop. Agric. 61(3): 162-166.
- Milletti, G. and L. Decapite. 1968. Photosynthesis and respiration in Hydrangea macrophylla ser. treated with CCC and B-995. Ann. Fac. Agr.Univ. Perugia. 23: 183-193.
- Mohsin, M. and M.S.Smith 1972. The influence of some growth retardants on the growth and mineral composition of plants. Pestic. Sci. 3 : 333-334.
- Monselise, S.P., R.Goren and A.H. Halevy. 1966. Effects of B-Nine, cycocel and Benzothinazole oxyacetate on flower bud induction of lemon trees. Proc. Amer. Soc. Hort. Sci. 89: 195-200.
- Nanda, K.K., H.N. Krishnamoorthy and T.A. Anuradha 1968. Effect of gibberellic acid and cycocel on flowering and extension growth of Impatiens balsamina exposed to varying numbers of short day cycles. Indian J. Plant Physiol. 11 : 104-121.
- Naylor, R.E.L., M.E. Saleh, and J.M. Farquharsen 1986. The response to chlormequat of winter barley growing at different temperatures. Crop. Res. 26 : 17-31.

Nickell, L.G. 1977. Chemical enhancement of sucrose accumulation in sugarcane, 6-22. Advances in chemistry series 159, American Chemical Society, Washington.

Ninnemann, H., J.A.D.Zeevaart, H. Kende and A. Lang. 1964. The plant growth retardant CCC as inhibitor of gibberellin biosynthesis in Fusarium moniliforme. *Planta* 61 : 229-235.

Nitsche, K., K. Grossmann, E.Sauerbrey and J. Jung. 1985. Influence of the growth retardant tetcyclacis on cell division and cell elongation in plants and cell cultures of sunflower, soyabean and maize. *J. Plant. Physiol.* 118 : 209-218.

Page, R.A. 1973. The use of CCC (Chlormequat) on winter wheat. *Exp. Husb.* 23 : 58-63.

Parson, J. 1967. Alar report for 1866. *B.C.F.G.A. Quart. Rep.* 11 : 23-25.

Pinthus, M.J. and A.H.Halevy. 1965. Prevention of lodging and increase in yield of wheat treated with CCC. *Israel J. Agric. Res.* 15 : 159-61.

Primost, E. and G. Rittmeyer. 1968. Influence of different growth factors on stalk shortening effect of chlorocholine chloride (CCC) in winter wheat in field experiment. *Plant Soil.* 29(1) : 66-91.

Rademacher, W., J. Jung and J.E.Graebe, and L.Schwenen. 1984. On the mode of action of tetcyclacis and triazole growth retardants. In : Biochemical aspects of

- of synthetic and naturally occurring plant growth regulators. Monograph II. (eds. R. Menhennet and D.K. Lawrence), pp. 1-11 British Plant Growth Regulator Group, Wantage, G.B. ISBN 0-906673-09-7.
- Reiss-Bubenheim, D. and A.J. Lewis. 1984. Pre-plant treatment of Chrysanthemum morifolium (cultivar Garland) with growth retardants. *Scientia Hortic.* (AMST). 23(3): 279-286.
- Riddell, J.A., H.A. Hageman, C.M.J. Anthony and W.L. Hubbard. 1962. Retardation of plant growth by a new group of chemicals. *Science*, 136 : 391.
- Ried, D.M. and D.J. Carr. 1967. Effect of dwarfing compound, CCC on the production and export of gibberellin like substances by root systems. *Planta* 73(1) : 1-11.
- Robbins, J. and C.C. Doughty. 1984. Flower bud formation, flowering and fruiting in high bush blueberry (Vaccinium corymbosum). *Hort Science*. 19(1) : 100-102.
- Roivanien, P. 1987. The in vitro growth and development of micropropagated Elatior begonias (Begonia hiemalis) II : Study on the effect of chlormequat and ancyimidol. *J. Agric. Sci. Finl.* 59(5) : 397-404.
- Rucong, L., W. Höfner and C. Plachta. 1987. Effect of growth regulators on height and dry weight of rice (Oryza sativa L.) seedlings in growth chamber experiments. *Z. Pflanzenernähr. Bodenk.* 150 : 266-267.
- Sachs, R.M. 1965. Stem elongation. *Annu. Rev. Plant Physiol.* 16 : 73-96.

Sachs, R.M. and A.M. Kofranek. 1963. Comparative cytohistological studies on inhibition of stem growth in Chrysanthemum morifolium. Amer. J. Bot. 50 : 772-779.

Sakai, W.S. 1973. Simple method for differential staining of paraffin embedded plant material using toluidine blue O. Stain Technol. 48 : 247-249.

Sauerbrey, E., K. Grossmann and J. Jung. 1987. Influence of growth retardants on the internode elongation and ethylene production of sunflower plants. Physiol. Plant. 70 : 8-12.

\*Schoene, D.L. and O.L. Hoffman. 1949. Maleichydrazide, a unique growth regulant. Science 109: 588-590.

Schott, P.E., K.H. Knittel and H. Klapproth. 1984. Tetcyclacis : A new bioregulator for improving the development of young rice plants. ACS symposium series 257 : 46-63.

Schott, P.E. and F.R. Ritting. 1982. New findings on the biological activity of Mepiquat chloride. 1982. In : Chemical manipulation of crop growth and development (ed. J.S. McLaren), pp. 415-424. London: Butterworths.

Schultz, J.E. 1971. The effect of trimethyl ammonium chloride (CCC) on the growth and yield of wheat. Aust. J. Exp. Agric. Anim. Husb. 11 : 450-454.

Schwartz, M., R.N. Payne and G. Sites. 1985. Residual effects of chlormequat on garden performance in sun and shade of seed and cutting propagated cultivars of geranium (Pelargonium hortorum) Hort Science. 20(3): 368-370.

\* Originals not consulted.

- Sebanek, J. and J. Hink. 1966. über den einflus des chlorocholine chlorids in einer nicht inhibierenden dosis auf das niveau endogener gibberelline in den erbesenepikotylen. Acta. Univ. Agr. Brno. 3 : 393-399.
- Sembdner, G., D. Gross, H.W.Liebisch and G. Schneider. 1980. Bio-synthesis and metabolism of plant bormones. In: Encyclopedia of Plant Physiology, New Series (ed. J. MacMillan) Vol.9, pp.281-444. Springer-Verlag, Berlin. ISBN. 3-540-10161-6.
- Shadeque, A. and M.L.Pandita. 1982. Effect of cycoccl (CCC) as foliar spray on growth, yield and quality of potato (Solanum tuberosum) J. Res. Assam Agric. Univ. 3 : 34-39.
- Shaltout,A.D., A.T.Salem and A.S.Kilany. 1988. Effect of prebloom sprays and soil drenches of Paclobutrazol on growth, yield and fruit composition of 'Roumi Red' grapes. J. Amer. Soc. Hort. Sci. 113(1): 13-17.
- Shearing, S.J. and J.J. Batch. 1982. Amenity grass retardation - Some concepts challenged. In : Chemical manipulation of crop growth and development (ed. J.S. McLaren), pp. 467-483. London : Butterworths.
- Sims, W.L., R.E. Voss and V.E. Rutatzky. 1973. Growth regulators in vegetable crops. In study guide for plant growth regulators, University of California, p. 47.
- Somogyi, M. 1952. Notes on sugar determination. J. Biol. Chem. 195 : 19-23.
- \*Stoddart, J.L. 1964. An assessment of (2-chloroethyl) trimethyl ammonium chloride as a potential aid to grass
- \*Originals not consulted.

- seed production. J. Brit. Grassl. Soc. 19 : 373.
- Stoddart, J.L. 1965. Chemical changes in Lolium temulentum L. after treatment with trimethyl ammonium chloride (CCC). J. Exp. Bot. 16 : 604-613.
- Stokes, D.T., R.E.L. Naylor and S. Matthews, 1985. The incorporation of tiller manipulation by chlormequat into winter barley production system. Proc. 1985 British Crop Protection Conference - Weeds, pp.535-541.
- Stokes, D.T., R.E.L. Naylor and S. Matthews, 1986. Effect of chlormequat on ear and leaf size of anthesis and final grain yield of shoots of three winter barley cultivars. Tests of agrochemicals and cultivars No.7 (Ann. Appl. Biol. 108, Supplement), pp.104-105.
- Stuart, N.W. 1961. Initiation of floral buds in Rhododendron after application of growth retardants. Science 134 : 50-52.
- Stuart, N.W. 1962. Stimulation of flowering in azaleas and camellias. Proc. 16th Intl. Hort. Congr. 5 : 58-64.
- \* Sturm, H. and J. Jung, 1964. Growth regulating action of chlorocholine chloride (CCC). Landw. Forsch. 17 : 1
- Suge, H. and A. Osada 1966. Inhibitory effect of growth retardants on the induction of flowering in winter wheat. Plant Cell Physiol. 7 : 617-630.
- Suphiewska, J.H. 1963. Observation on the action of trimethyl  $\beta$ -chloroethyl ammonium chloride on plants. II. Wheat, carrot, beet. Bull. Acad. Polon. Sci. 11 : 155-159.

\* Originals not consulted.

- Suphiewski, J. J.H. Suphiewska and A. Chytkowski 1962.  
(2-chloroethyl) trimethyl ammonium chloride. Bull. Acad. Polon. Sci. 10 : 393-395.
- Thomas, T.H., A Barnes and C.C.Hole 1982. Modification of plant part relationships in vegetable crops In: Chemical manipulation of crop growth and development (ed. J.S. McLaren) pp 297-311. London : Butterworths.
- Thomas, R.J. and L.E. Schrader 1981. Assimilation of ureides in shoot tissues of soybeans. Plant Physiol. 67: 973-976.
- Thomson, W.J. and S. Matthews. 1984. Cereal growth. North of Scotland College of Agriculture, Digest No.4.
- Tizio, R. 1969. Effect of CCC on tuberization of the potato. Eur. Potato. J. 12 : 3-7.
- Tognoni, F., A.H. Halevy and S.H. Wittwer 1967. Growth of bean and tomato plants as affected by root absorbed growth substances and atmospheric CO<sub>2</sub>. Planta. 72 : 43-52.
- Tolbert, N.E. 1960. (2-chloroethyl) trimethyl ammonium chloride and related compound as plant growth substances. I. Chemical structure and bio-assay. J. Biol. Chem. 235 : 475-479.
- Tolbert, N.E. 1960. (2-chloroethyl) trimethyl ammonium chloride and related compounds as plant growth substances. II. Effect on growth of wheat Plant Physiol. 35: 380-385.
- Tschabold, E.E., H.M. Taylor, J.B. Devenport, R.E. Hackler, E.V. Krumkalns and W.C. Meredith 1970. A new plant growth regulator. Plant Physiol. 46 : 519.
- Tukey, L.D. 1985. Cropping characteristics of bearing apple trees sprayed annually with pp 333 (paclobutrazol).

- Proc. 5th Intl. Symp. Growth Regulat. in Fruit Prod.  
ISHS. p. 95 (Abstr.)
- Tung, H.F. and V. Raghavan, 1968. Effects of growth retardants on the growth of excised roots of Dolichos lablab L. in culture. Ann. Bot. 32: 509-519.
- Turkington, V. 1967. CCC promising in increasing grape set.  
Agri. Gaz. (N.S.W.) 78: 118-119.
- Umbreit, W.W., R.H. Burris and J.I. Stauffer, 1957. Monometric techniques. Burgess. Publishing Co. Minn.
- Upadhyaya, A., T.D. Davis, and N.Sankhla 1986. Some bio-chemical changes associated with paclobutrazol induced adventitious root formation on bean hypocotyl cuttings.  
Ann. Bot. 57: 309-316.
- Van Berkum, P., C.Sloeg, D.F. Weber, P.B. Cregan and H.H. Keyser 1985. Relationship between ureide N and N<sub>2</sub> fixation, above ground N accumulation, acetylene reduction and nodule mass in green house and field studies with Glycine max L. (Merr). Plant Physiol. 77 : 53-58.
- Verma, M.K., N. Singh and B.Choudhury 1987. Studies on the effect of growth retardants and ethrel on fruiting and yield in pumpkin. (Cucurbita moschata Duch. expoir). Madras Agric. J. 74: 459-464.
- Vogels, G.D. and van der Drift, 1970. Differential analysis of glyoxylate derivatives. Anal. Biochem. 33:143-157.
- Welander, W.T. 1984. Effect of gibberellin acid and (2-chloroethyl) trimethyl ammonium chloride, defoliation

- and quantum flux density on growth and flowering in Pelargonium hortorum. *Scientia Hortic.* (AMST) 23 : 371-378.
- Whealy, C.A., T.A.Nell and J.E. Brrett. 1988. Plant growth regulator reduction of by pass shoot development in azalea. *Hort Science.* 23: 166-167.
- Wheeler, A.W. 1969. Effect of CCC and glycine betaine on growth and growth substance content of primary leaves of dwarf french bean. (Phaseolus vulgaris L.) *Ann. Appl. Biol.* 63 : 127-133.
- Wilkinson, R.I. and D.Richards. 1987. Effect of Paclobutrazol on growth and flowering of Bouvardia humboldtii. *Hort Science.* 22 : 444-445.
- Williams, P.M. and Sicardi de Mallorca. 1984. Effect of gibberellin and growth retardant CCC on the nodulation of soya. *Plant and Soil.* 77 : 53-60.
- Wirwille, J.W. and J.W. Mitchell. 1950. Six new plant growth inhibiting compounds, *Bot. Gaz.* 111 : 491-494.
- Wittwer, S.H. and N.E. Tolbert. 1960. (2-chloroethyl) trimethyl ammonium chloride and related compounds as plant growth substances. III. Effect on growth and flowering of the tomato. *Amer. J. Bot.* 47: 560-565.
- Wittwer, S.H. and N.E. Tolbert. 1960. 2-chloroethyl trimethyl ammonium chloride and related compounds as plant growth substances. V. Growth, flowering and fruiting responses as related to those induced by auxin and gibberellin. *Plant Physiol.* 35 : 871-877.

- Wunsche, U. 1969. Growth retarding and stimulating effects of CCC on Antirrhinum majus L. *Planta* 85: 108-110.
- Yemm, E.W. and J. Willis, 1954. The estimation of carbohydrates in plant extracts by Anthrone. *Biochem. J.* 57 :508-514.
- Zeevaart, J.A.D. 1964. Effect of growth retardant CCC on floral initiation and growth in Pharbitis nil. *Plant Physiol.* 39 : 402-408.
- Zeevaart, J.A.D. 1966. Reduction of the gibberellin content of Pharbitis seeds by CCC and after-effects in Progeny. *Plant Physiol.* 41 : 856-862.
- Zeevaart, J.A.D. 1985. Inhibition of stem growth and gibberellin production in Agrostemma gilbago L. by the growth retardant tetcyclacis. *Planta* 166 : 276-279.
- Zeevaart, J.A.D. and A Lang. 1963. Suppression of floral induction in Bryophyllum daigremontianum by a growth retardant. *Planta* 58: 531-542.
- Ziv, M., T. Yoge<sup>v</sup> and O.Krebs. 1988. Effects of paclobutrazol and chlormequat on growth pattern and shoot proliferation of normal and varient Aechmea fasciata, Baker plant regenerated in vitro. *Isr. J. Bot. Basic. Appl. Plant. Sci.* 35 : 175-182.