1985

British Crop Protection Conference
Weeds
Volume 1

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November 18–21, 1985

BCPC Publications
2A Kidderminster Road
Croydon CR0 2UE
### VOLUME 1

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**THE TWELFTH BAWDEN LECTURE**

Farming for the public, not for ourselves

**LORD MELCHETT**

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**NEW HERBICIDES AND PLANT GROWTH REGULATORS**

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- **Diflufenican — a new selective herbicide**
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  - E. W. PARNELL
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- **Diflufenican — a new herbicide for use in winter cereals**
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- **Smy 1500 — a new selective herbicide for weed control in winter cereals**
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- **DPX-L5300 — a new cereal herbicide**
  - D. T. FERGUSON, S. E. SCHEHL, L. H. HAGEMAN, G. E. LEPONE,
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- **DPX-M6316 — a new sulfonylurea cereal herbicide**
  - S. D. SIONIS, H. G. DROBNY, P. LEFEBVRE, M. E. UPSTONE
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- **CGA 131’036: a new herbicide for broadleaved weed control in cereals**
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- **Characteristics of the new herbicide BAS 518 H**
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AC 222, 293 for the control of grass weeds in winter cereals in the UK: field studies of efficacy and crop tolerance

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Cyanazine + clopyralid—a novel cereal herbicide developed for flexibility and versatility

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**THE ENVIRONMENTAL EFFECTS OF HERBICIDES, AND THE MANAGEMENT OF VEGETATION**

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- **Control of annual and perennial grasses with fluazifop-butyl in citrus**
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- **Glufosinate-ammonium (HOE 39866): new results on weed control and crop tolerance in orchards**
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- **Effect of fluazifop-butyl on annual and perennial grass weeds and strawberry plants**
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**SESSION 9A**

### APPLICATION TECHNIQUES AND THE ENVIRONMENT

**Invited Papers**

- **Review of The BCPC ‘Application and Biology’ Symposium**
  - E. S. E. SOUTHCOMBE
  - 9A-1
  - 1105

- **Application methods : the intentions of the new legislation**
  - G. H. TREVELEYAN (Paper available separately)
  - 9A-2
  - 1111

- **The regulation of agricultural aviation in the United Kingdom**
  - R. J. WOODLEY
  - 9A-3
  - 1113
### Operator training: a key element in successful application  
**J. A. HORSFIELD**  
A system for classifying hydraulic nozzles and other atomisers into categories of spray quality  
**S. J. DOBLE, G. A. MATTHEWS, I. RUTHERFORD, E. S. E. SOUTHCOMBE**  
Environmental and economic constraints on spraying systems  
**N. DUDLEY**

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### SESSION 9B

**HERBICIDAL ACTIVITY: SITES OF ACTION AND TARGETS FOR MANIPULATION. II**

**Invited Papers**

Safening of sulfonylurea herbicides to cereal crops: mode of herbicide antidote action  
**P. B. SWEETSUR**  
Role of glutathione-related enzymes in the mode of action of herbicide antidotes  
**T. KÖMIVES, V. A. KÖMIVES, M. BALÁZS, F. DUTKA**  
Aminobenzotriazole as a synergist of urea herbicides  
**F. CABANNE, P. GAILLARDON, R. SCALLA, F. DURST**  
Triazine resistant grass weeds: cross resistance with wheat herbicide, a possible threat to cereal crops  
**B. RUBIN, T. YAACOBY, M. SCHONFELD**  
The influence of plant age on tomato tolerance to metribuzin  
**P. MACQUARRIE, J. E. MCLEOD, R. HORTON, G. R. STEPHENSON**  
The cell membrane as a site for bentazone action  
**A. H. COBB, R. T. REES, K. J. NICHOLS, P. R. MILLER, K. E. PALLETT**  
Oxyfluorfen activation by photosynthetic electron transport  
**D. J. GILLHAM, M. W. EVANS, A. D. DODGE**

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