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Yields of the Field Experiments 1961

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61/R/DE/2 Potatoes - Time of Burning Off Haulm

Rothamsted Research

Rothamsted Research (1962) *61/R/DE/2 Potatoes - Time of Burning Off Haulm* ; Yields Of The Field Experiments 1961, pp 128 - 129 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/De/2.1

POTATOES

Time of burning off haulm⁺ - Whittlocks 1961.

Design: 4 randomised blocks of 9 plots each.

Area of each plot: 0.0565 acres. Area harvested: 0.0141 acres.

Treatments. All combinations of:-

Copper spraying: None; sprayed on 3 occasions with copper fungicide.

Burning off haulm: None; haulm burnt off. Two plots per block for each factorial treatment. In addition one plot per block was sprayed on the second and third occasions with copper fungicide and the haulm burnt off.

Basal dressing: 7 cwt per acre compound fertiliser, 17% N, 11% P₂O₅, 22% K₂O.

Cultivations, etc.: Ground chalk applied at 24 cwt per acre: Sept 6 - 17, 1960. Ploughed: Apr 27, 1961. Rotary cultivated, basal dressing applied, potatoes machine planted: May 2. Earthed up: July 7. Appropriate plots sprayed with copper fungicide at 5 lb in 30 gallons per acre: July 19, Aug 18, Sept 5. Appropriate plots sprayed with undiluted BOV at 15 gallons per acre: Sept 21. Lifted: Oct 18. Variety: King Edward. Previous crop: Barley.

⁺The experiment was converted to measuring the detrimental effects of copper without interference from blight as there was an exceptionally late and slight attack of the disease. As a result of this alteration the treatments described are not as originally planned.

Note: Periodic samples were taken of the weight of tops and tubers, and an assessment of blight on foliage and in tubers was made.

Standard error per plot.

Total tubers: 1.205 tons per acre or 8.5% (28 d.f.)

61/De/2.2

Summary of Results

Unsprayed Haulm		Sprayed three times Haulm		Sprayed twice Haulm	Mean
Not burnt off	Burnt off	Not burnt off	Burnt off	burnt off	

Total tubers: tons per acre

13.95	14.12	14.98	13.86	13.57	14.16
	(±0.426)			((±0.602)	

Percentage ware (1½" riddle)

94.8	94.6	95.4	94.5	94.8	94.8
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