



Farming with nature

*Innovations for biodiversity
and farm profitability*

Achieving more for nature



GLNP
GREATER LINCOLNSHIRE
NATURE PARTNERSHIP



Profits, pesticides and pollination

Peter Lundgren

www.peterlundgren.co.uk

Humbolt Forum

“The value of neonicotinoid seed treatment”

In the UK “the loss of this technology could lead to a yield decline of up to 20%. Without Neonicotinoid seed treatment, the production of winter wheat would no longer be profitable for many farmers.”

	£m	Area ha	Cost/ha
Wheat	£450m	2,000,000 ha	£225/ha
Oilseed rape	£170m	730,000 ha	£230/ha

Neonicotinoid v bee friendly in winter wheat

Neonicotinoid

time	product	£/ha	pest
Autumn	Redigo Deter	22-00	Aphid/ BYDV
	cypermethrin	1-20	
Summer	pyrethroid	1-20	Grain aphid
		24-40	

Bee friendly

time	product	£/ha	pest
Autumn	Hallmark Mavrik	3-70	Aphid/ BYDV
Spring	Hallmark Mavrik	3-70	Aphid BYDV
Summer	Hallmark Mavrik	3-70	Grain aphid
		11-10	

Neonicotinoid v bee friendly in oilseed rape

Neonicotinoid

time	product	£/ha	pest
autumn	Neonicotinoid Cruiser seed treatment	6.50	Flea beetle/ aphid/ Turnip yellows virus
	cypermethrin	1-20	
Spring	pyrethroid	1-20	Pollen beetle/ weevil
		8-90	

Bee friendly

time	product	£/ha	pest
autumn	Hallmark Mavrik	3-70	Flea beetle/ Aphid/ Turnip yellows virus
Spring	Hallmark Mavrik	3-70	Pollen beetle
Summer	Hallmark Mavrik	3-70	weevil
		11-10	

Agroecology project

“I want our agriculture to go down the road of high performance in terms of both economics and ecology, making the environment a key factor in our competitiveness. This is a dynamic found on the strength of collective effort on innovation and the spread of new knowhow. We shall make France a leader in agroecology.”

“This is not only a change in agricultural practice but also a change in mindset”

Stephane Le Foll, minister of agriculture, agrifood and forestry

Integrated pest management in action



Sympathetic management



OVER THIS HEDGE FROM GRAZED
SEEDS ON THE 6TH OCTOBER 1961
272 WILD PARTRIDGES WERE
KILLED IN A SINGLE DRIVE BY
SAMUEL NICKERSON, HIS BROTHER
AND 6 OF THEIR FRIENDS.
BAG FOR THE DAY INCLUDING
PICK UP OF 21 PARTRIDGES

1,124	WILD PARTRIDGES
14	PHEASANTS
92	HARES
4	RABBITS
8	PIGEONS
1	MOORHEN
<u>1,243</u>	

... TO OLD RATIO 1.6 to 1

Courtesy of Derek Mills

Summing up:

- The ban on neonicotinoids and the withdrawal of some PPPS does not have to be financially devastating
- There are financial gains from adopting a sympathetic pesticide policy
- But the biggest gain will come from good public relations and retaining society's respect and support for farmers as custodians of the countryside

Thankyou

For further information please go to:

Peter Lundgren

‘Is there a future without neonicotinoids?’

www.peterlundgren.co.uk

Friends of the Earth

‘Farmers need bees; bees need farmers’

www.foe.co.uk