

### Scope 1: Direct Emissions 2024/25

Natural Gas	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Natural Gas KWH		50,864,586	9,303,133	9303.133
LPG KWH		7,436	1,595	1.595
<b>Total</b>		<b>51,612,055</b>	<b>9,304,728</b>	<b>9304.728</b>

Fleet	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Fleet (owned/operated)		154,229	34,688	35
Horticulture		155,450	36,857	37
<b>Total</b>		<b>309,679</b>	<b>71,545</b>	<b>71.54516358</b>

Refrigerants & research-based f-gas, VOC	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Estates Refrigerant Gas Emissions	577		1,097,098	1,097.098
Other F-Gas Emissions				
Volatile Organic Compounds				
<b>Total</b>	<b>577</b>	<b>0</b>	<b>1,097,098</b>	<b>1,097.098</b>

Other fuels	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Standby and backup Generation		15,572	3,722	3.722
PATs Tent Heating		23,112	5,722	5.722
<b>Total</b>		<b>38,684</b>	<b>9,444</b>	<b>9.444</b>

Land-related emissions & Livestock	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
All Fertiliser slow release so no emissions released	0			
<b>Total</b>	<b>0</b>			

<b>Scope 1 Grand Total Direct Emissions</b>	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
	<b>577</b>	<b>51,960,418</b>	<b>10,482,815</b>	<b>10,483</b>

**Scope 2: Indirect GHG emissions from [purchased] electricity, heat and steam 2024/25**

<b>Purchased electricity</b>	Location Based Calculation _ DEFRA			Market Based Supplier Data		
	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Purchased electricity	26,833,478	5,555,872	5555.872	26,833,478	3,622,520	3622.52
Renewables	50,965	0	0	50,965	0	0
<b>Total</b>	<b>26,884,443</b>	<b>5,555,872</b>	<b>5555.872</b>	<b>26,884,443</b>	<b>3,622,520</b>	<b>3,623</b>

<b>Scope 2: Grand Total Indirect Emissions</b>	Location Based Calculation _ DEFRA			Market Based Supplier Data		
	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
	<b>26,884,443</b>	<b>5,555,872</b>	<b>5,556</b>	<b>26,884,443</b>	<b>3,622,520</b>	<b>3,623</b>

### Scope 1: Direct Emissions 2023/24

Natural Gas	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Natural Gas KWH		44,888,982	8,194,035	8194.035
LPG KWH		47,634	10,217	10.217
<b>Total</b>		<b>45,696,240</b>	<b>8,204,252</b>	<b>8204.252</b>

Fleet	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Fleet (owned/operated)		290,274	67,158	67
Horticulture		177,657	42,542	43
<b>Total</b>		<b>467,931</b>	<b>109,700</b>	<b>109.7003111</b>

Refrigerants & research-based f-gas, VOC	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Estates Refrigerant Gas Emissions	842		1,420,780	1,420.780
Other F-Gas Emissions				
Volatile Organic Compounds				
<b>Total</b>	<b>842</b>	<b>0</b>	<b>1,420,780</b>	<b>1,420.780</b>

Other fuels	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Standby and backup Generation		0	0	0.000
PATs Tent Heating		0	0	0.000
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>

Land-related emissions & Livestock	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
All Fertiliser slow release so no emissions released	0			
<b>Total</b>	<b>0</b>			

<b>Scope 1 Grand Total Direct Emissions</b>	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
	<b>842</b>	<b>46,164,171</b>	<b>9,734,732</b>	<b>9,735</b>

**Scope 2: Indirect GHG emissions from [purchased] electricity, heat and steam 2023/24**

<b>Purchased electricity</b>	Location Based Calculation _ DEFRA			Market Based Supplier Data		
	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Purchased electricity	29,593,152	5,722,724	5722.724	29,593,152	4,024,669	4024.669
Renewables	32,112	0	0	32,112	0	0
<b>Total</b>	<b>29,625,264</b>	<b>5,722,724</b>	<b>5722.724</b>	<b>29,625,264</b>	<b>4,024,669</b>	<b>4,025</b>

<b>Scope 2: Grand Total Indirect Emissions</b>	Location Based Calculation _ DEFRA			Market Based Supplier Data		
	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
	<b>29,625,264</b>	<b>5,722,724</b>	<b>5,723</b>	<b>29,625,264</b>	<b>4,024,669</b>	<b>4,025</b>

### Scope 1: Direct Emissions 2022/23

Natural Gas	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Natural Gas KWH		42,533,074	8,620,239	8620
LPG KWH		20,233	4,340	4
<b>Total</b>		<b>42,553,307</b>	<b>8,624,579</b>	<b>8625</b>

Fleet	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Fleet (owned/operated)		245,328	55,895	56
Horticulture		150,307	35,551	36
<b>Total</b>		<b>395,635</b>	<b>91,446</b>	<b>91</b>

Refrigerants & research-based f-gas, VOC	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Estates Refrigerant Gas Emissions	274		835,926	835.926
Other F-Gas Emissions				
Volatile Organic Compounds				
<b>Total</b>	<b>274</b>	<b>0</b>	<b>835,926</b>	<b>836</b>

Other fuels	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Standby and backup Generation		0	0	0.000
PATs Tent Heating		52,872	13,090	13.090
<b>Total</b>		<b>52,872</b>	<b>13,090</b>	<b>13</b>

Land-related emissions & Livestock	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
All Fertiliser slow release so	0			

no emissions released				
<b>Total</b>	<b>0</b>			

Scope 1 Grand Total Direct Emissions	Kg	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
	<b>274</b>	<b>43,001,814</b>	<b>9,565,041</b>	<b>9,565</b>

**Scope 2: Indirect GHG emissions from [purchased] electricity, heat and steam 2022/23**

Purchased electricity	Location Based Calculation _ DEFRA			Market Based Supplier Data		
	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
Purchased electricity	30,717,183	6,360,739	6360.739	30,717,183	2,672,395	2672.395
Renewables	12,540	0	0	12,540	0	0
<b>Total</b>	<b>30,729,723</b>	<b>6,360,739</b>	<b>6360.739</b>	<b>30,729,723</b>	<b>2,672,395</b>	<b>2,672</b>

Scope 2: Grand Total Indirect Emissions	Location Based Calculation _ DEFRA			Market Based Supplier Data		
	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes	Consumption KWH	Carbon Emission Kg	Carbon Emission tonnes
	<b>30,729,723</b>	<b>6,360,739</b>	<b>6,361</b>	<b>30,729,723</b>	<b>2,672,395</b>	<b>2,672</b>