BRADGATE HOME FARM
CALCULATION OF VEHICLE MOVEMENTS
ASSOCIATED WITH FARM ENTERPRISES

ENTERPRISE	DETAIL	VEHICLE MOVEMENTS
A). BEEF CATTLE	**1). ON AND OFF FARM**	
	a). Finished Product to Clipston Mansfield (Wood's) Own LDV Lorry 2 per journey every fortnight for 30 weeks (15 J's x 2 = 30VM)	**30**
	b). Cull Cows to Pick Stocks at Hartshorne (Coal Lane) individually 8pa (8 J's x 2 = 16VM)	**16**
	c). Replacements & Purchases 1). *Calves* from Thorpe Arnold Melton, Stapleton (Fletchers) 30 plus pa when available (some double, some single) (20 J's x 2 = 40VM)	**40**
	2). *In Calf Heifers* from Newark Sales. Go but don't always buy. 5 J's with animals (8 head appx.) 20 J's p.a. in total. (20 J's x 2 = 40VM)	**40**
	3). *Mortalities* Crowdens of Newark and Redferns of Buxton, both collect. 10 visits a year (10 J's x 2 = 20VM)	**20**

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A). BEEF CATTLE	**2). TO FIELDS AND BACK BY ROAD** **a). Springtime** From home to Bakers Fields 20+ journeys out (2 per J), 30+ journeys back (1.5max per J) = SAY 56 J's (56 J's x 2 = 112VM)	**112**
	b). Autumn From home to aftermath grazing at Botcheston, Ratby, Newtown Linford & Glenfield 20+ Journeys out, 30+ journeys back (say 56 J's x 2 = 112VM)	**112**
	c). Wintertime Calf weaning from mothers in fields bring home to fatten in yards 30+ J's back to farm (say 33J's x 2 = 66VM)	**66**
	3). CALVING TIME Bring back to farm when birth imminent then keep for 7 – 10 days after, then return to suckler herd. (45 J's x 2 = 90VM)	**90**
	4). HEALTH AND VETS T.B. test 2 visits Difficult Calving 8 visits Other health problems 2 visits (12 J's x 2 = 24VM)	**24**

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A). BEEF CATTLE	**5). <u>PURCHASED FEED</u>**	
	a). B0CM Beef Feed once per month throughout the year (12 J's x 2 = 24VM)	**24**
	b). Barley and Wheat for milling. 1 load per week fetched in from Markfield, Barrow or Thurlaston by tractor & trailer all year round. (52 J's x 2 = 104VM)	**104**
B). SHEEP FLOCK	**1). <u>ON AND OFF FARM</u>**	
	a). Fat lambs to Clipston, Mansfield in bunches of 10. 200 go, so 20 J's by LDV (20 J x 2 = 40VM)	**40**
	b). Cull ewes to Melton in bunches of 10, 20 go, so 2 J's by LDV (2J x 2 = 4VM)	**4**
	c). Replacements from Melton 20 ewes by LDV don't buy every time say 10 J's x 2 = 20VM	**20**
	d). Mortalities collected by Crowders of Newark 6 visits (6 J's x 2 = 12VM's)	**12**
	2). <u>TO FIELDS AND BACK BY ROAD</u> **a). <u>Springtime</u>** When lambs turned out to pasture. Either LDV or tractor & trailer. (35 J's x 2 = 70VM) Return for health treatment (ticks, feet etc) 30 J's + in 20 J's + out (say 55 J x 2 = 110VM)	**70** **110**

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B). SHEEP FLOCK	**b). <u>Summer</u>** Shearing in June 30+ J's back, 20+ J's out (say 55 J's x 2 = 110VM) Health treatment late summer (as for spring) (55 J's x 2 = 110VM)	**110** **110**
	c). <u>Autumn</u> Weaning lambs from mothers and moving to winter grazing 30+ for each, say 66 in total. (66 J's x 2 = 132VM)	**132**
	d). <u>Winter</u> Grazing at Groby Parks transport 10 J's out and 10 J's back 10 J's x 2 =20 J's (20 J's x 2 = 40VM)	**40**
	e). <u>Back to farm for lambing</u> As and when close to lambing, bring back for observation 30+ J's (say 33 J's x 2 = 66VM)	**66**
	3). <u>VETERINARY VISITS</u> Say 5/yr (5 J's x 2 = 10VM)	**10**
	4). <u>PURCHASED FOODSTUFFS</u> BOCM (sheep nuts) 3 J's Oats for steaming up (Barrow) 1 J (Barley for fattening incl. in Beef enterprise) (4 J's x 2 = 8 VM) (for bedding and some feeding) 60 acs. Wheat Straw, 15 acs. Barley Straw	**8**

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C). STRAW	1). **BALING** 3 J's per day for 14 days big round bales 3 J's per day for 12 days small square bales (26 days x 3 J's = 78 J x 2 = 156VM)	**156**
	2). **CARTING – TRACTOR & TRAILER** Big round bales 800 @ 10/J = 80 J's Small square bales 500@ 100/J = 5 J's (85 J's x 2 = 170VM)	**170**
	3). **HAYBOB TO LIFT FLATTENED/WET STRAW** (Say 5 J's x 2 = 10VM)	**10**
D). HAYLAGE (DRY SILAGE)	80 acs. – 800 round bales *Process* – Mow night before, condition on the day, mow some for tomorrow, bale today, cart today - tackle change for each operation back at the farm. *so* - Cutting say 3 acs = 1 J Haybob Twice = 2 J Rowing up = 1 J Round baling = 1 J Carting 30 bales = 3 J (@ 10/load) Wrapping same day = 1 J (contractor to farm) Allowing for wet = 9 J/day@30 days (270 J's x 2 = 540VM) Contract carting for the wrapper's own winter fodder in exchange – 30 days x 1 J/day (30 J's x 2 = 60VM)	**540** **60**

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E). HAYMAKING	(for feeding to Calves & Sheep) 5 acres to make 500 small square bales 12 acres to make 150 big round bales **17 acres Total** **1). Cut/Mow** 3acs at a time say 6 J's **2). Hay bob** 3acs x 3 times 18 J's **3). Rowing up** 3acs at a time 6 J's **4). Baling** – small square bales 2 J's big round bales 3 J's **5). Carting** – small square bales 5 J's (100/J) big round bales 15 J's (10/J) (55 J's x 2 = 110 VM)	**110**
F). FERTILISING	**1). Spring** - Nitrogen in April – 15 Tonnes ½ ton in spinner per J (30 J's x 2 = 60VM) **2). Autumn** - Phosphate & Potash - 15 Tonnes (30 J's x 2 = 60VM)	**60** **60**
G). SPRAYING	**Spring weed control** - say 10 J's (10 J's x 2 = 20VM)	**20**

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ENTERPRISE	DETAIL	VEHICLE MOVEMENTS
H). STOCK OBSERVATION SHEPHERDING	All done by vehicle to carry emergency kit and save time 2 J's per day every day to each of 4 separate locations (2/3 stockmen/shepherds) (2 J's x 365 = 730 J's x 2 = 1460VM per location x 4 locs = 5,840VM)	**5,840**
I). FIELD WORK	**1). Spring chain harrowing** 25 J over 2 weeks (25 J's x 2 = 50 VM) **2). Conservation ground preparation** (hay/haylage) Late Spring Early Summer Rolling 25 J's over 2 weeks (25 J's x 2 = 50VM) **3). Pasture topping** in July/August 3 – 4 acres per J. (25 J x 2 = 50VM) **4). Re-seeding poached areas after wet weather** (Cross-compliance obligation) 1 broadcast seed, 1 harrow, 1 roll, 1 contractor with rotavator 5 areas @ 4 J's per area (20J's x 2 = 40 VM)	**50** **50** **50** **40**
J). MACHINERY & EQUIPMENT	**1). Specific** - String & plastic for bales delivered (4 J's x 2 = 40VM) **2). Miscellaneous** - Parts, buying & selling, servicing, fuel, oil, Breakdown repairs. Repls – 2 J's per wk avge (50 x 2 = 100 J x 2 = 200VM)	**8** **200**
K). FENCING	Deliveries – 1 per quarter – 4 J/yr Maintenance of boundaries – 50 J/yr (54 J x 2 = 108VM)	**108**

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L). F.Y.M. CLEARING & CARTING	**1). Spring** – Difficult access to bldgs requires Richard Crane with teleporter, but muck spread on land at farm – no road access needed (Teleporter – 5 J's x 2 = 10VM) **2). Rest of year** – own muck spreader in Spring and Autumn – 2 seasons @ 15 days per season 30 days @ 11 avge loads per day - all road work to different fields (330 J's x 2 = 660VM)	**10** **660**
M). MISCELLAN-EOUS	Feed reps, animal health product reps, minerals reps, machinery dealers and Scrap merchants/Travellers, Mobile repair/welding services on spec. Professional Advisers, Ministry & Trading Standards (2 – 3 per week say 50 wks x 2.5 = 125 J's) (125 J's x 2 = 250VM) Doorstep sales of Muck, Logs, Hay & Straw to general public, horse owners Incl. Deliveries e.g. muck to local allotments. Avge. 1 x/wk (50 J'S X 2 = 100 VM's)	**250** **100**
TOTAL	**ANNUAL FARM VEHICLE MOVEMENTS**	**9,962**