BREXIT AND THE PROSPECTS FOR AGRICULTURE

Richard King



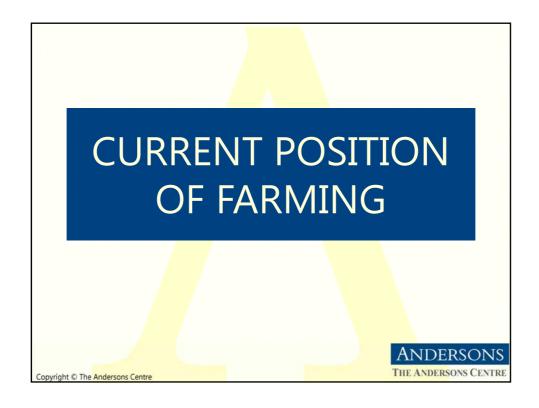
May 2017

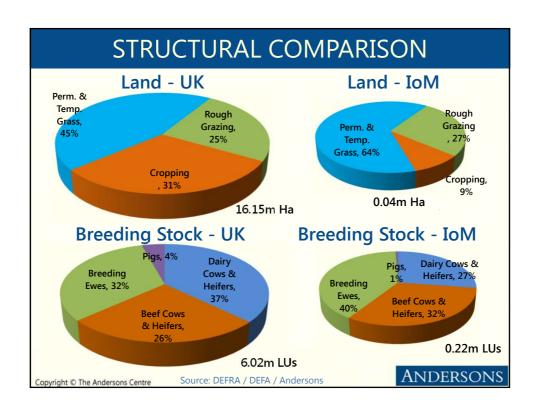


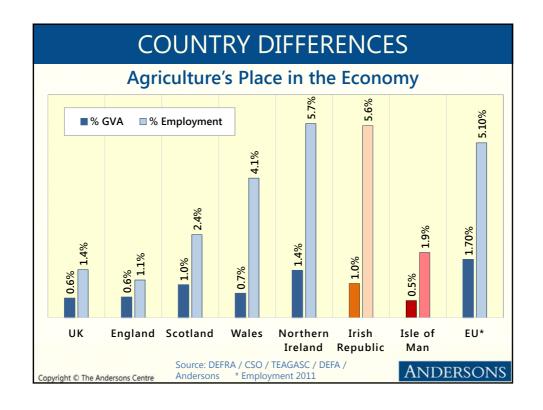
AGENDA

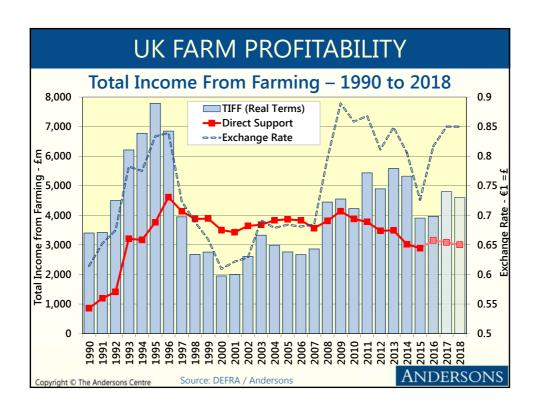
- Background: Current Position of Farming
- Policy and Brexit
- Arable Sector
- Dairy Sector
- Livestock Sectors
- Implications and Conclusions

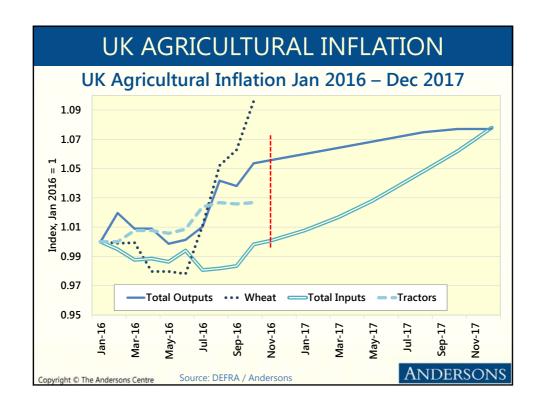
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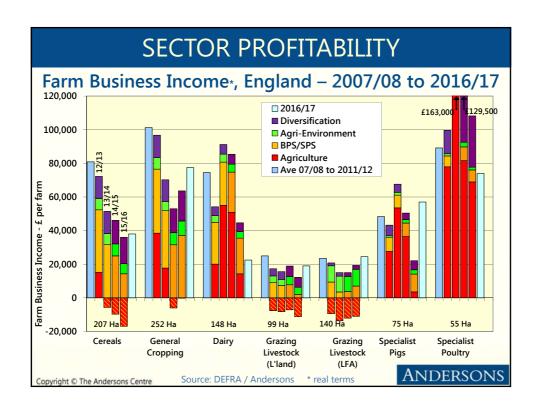


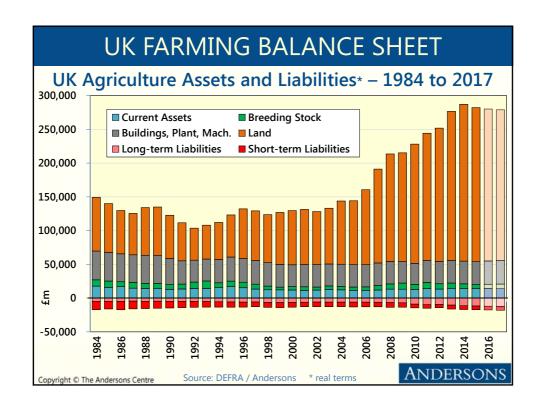


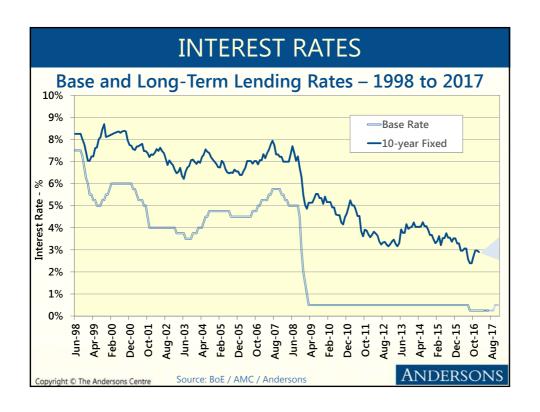








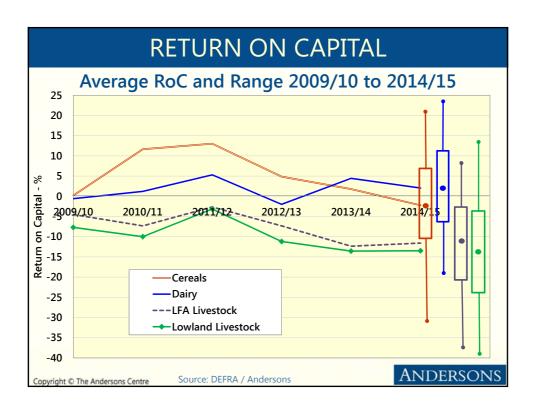


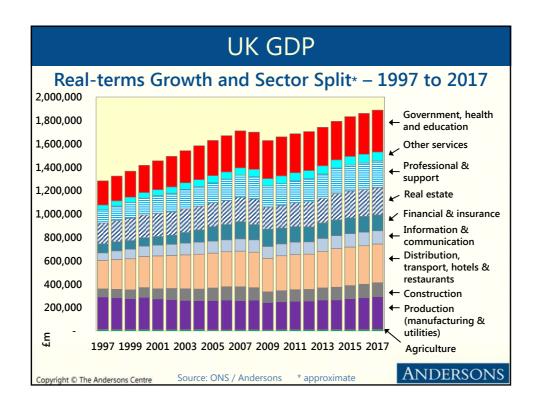


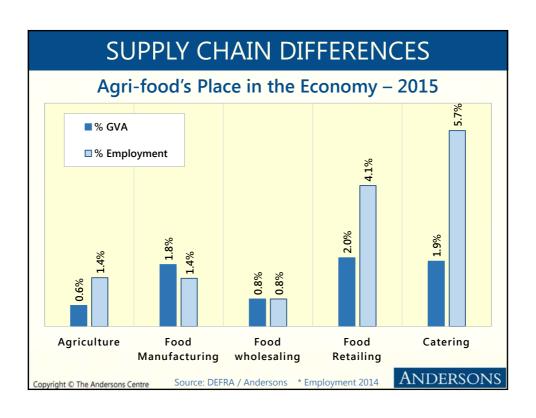
RETURNS

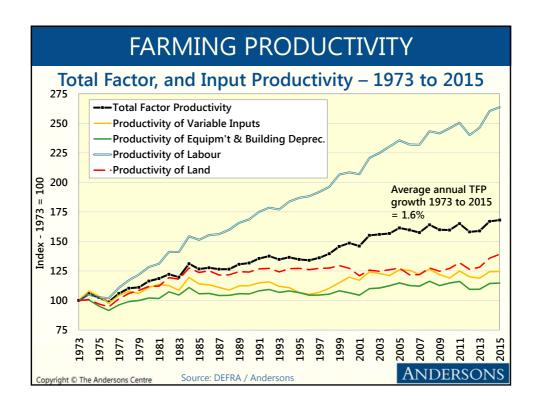
- Return on Capital is the litmus test for all businesses
 - not discussed enough in farming
- Problems around consistent and meaningful calculation
 - high land values skew figures
 - also treatment of unpaid (family) labour
- Businesses of <u>owning</u> land and <u>farming</u> land should be divorced
 - impute a true rent in all RoC (and Cost of Production) analyses
- But worth remembering most farmers have multiple objectives
 - business longevity, lifestyle, the next generation etc.

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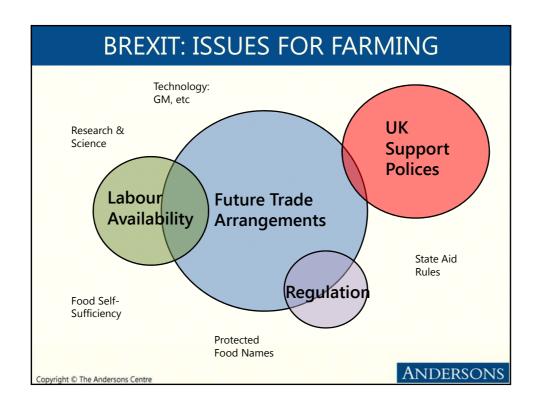


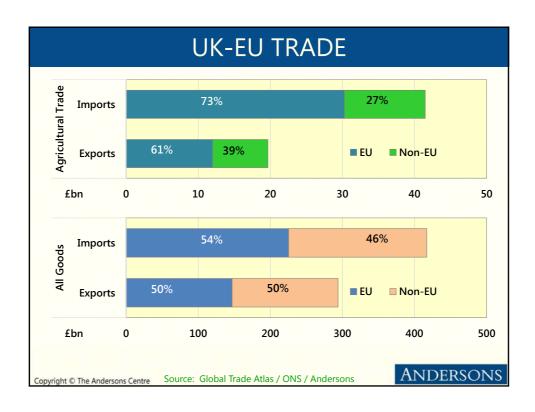


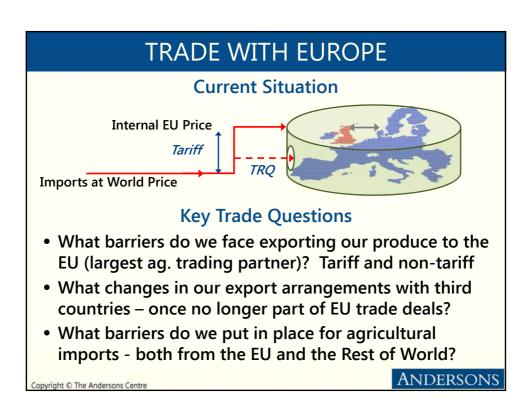
BASIC PAYMENT SCHEME

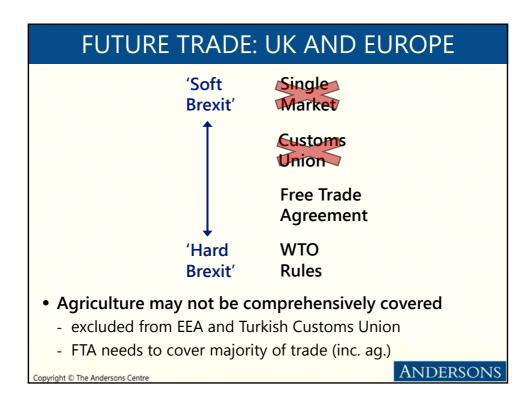
- Until UK formally Brexits, CAP still applies
- BPS guaranteed for 2017 and 2018; funding for 2019
- CAP rules transposed by 'Great Repeal Bill'
- 'Son of CAP' for 2019 and 2020 (and 2021?)
 - using existing structures?
 - however, ££s might change post 2019
- Rural Development schemes will remain open (for new applications) until Brexit
 - and multi-year agreements will be honoured
 - but gap until new arrangements?

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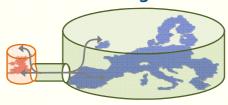




FREE TRADE AGREEMENT - CANADA

- Single Market access in the areas covered by the deal
 - services traditionally not included
 - agricultural trade often only partially liberalised
- No free movement of people, no budget contribution
- Trade transaction costs increase (circa 5%)
- Can take up to a decade to negotiate
 - might be shortened as UK/EU standards aligned to begin with
- Needs a large reservoir of goodwill

Free Trade Agreement



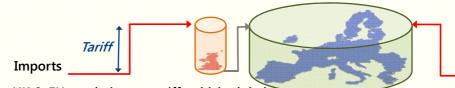
UK & EU set their own tariffs (waived for each other), trade prices variable ANDERSONS

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WTO TRADE - NZ, USA

- UK to pay EU tariffs on its exports
 - UK to charge equivalent(ish) tariffs on imports
- Agricultural commodities may have some TRQs
- Trade transaction costs to increase (circa 8-10%)
- Controlled immigration; no EU budget contributions

WTO Trading – High UK Tariffs



UK & EU set their own tariffs which global importers pay; UK needs to export at a price low enough to be competitive *after* EU tariffs

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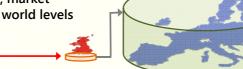
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LIBERAL TRADE - SINGAPORE

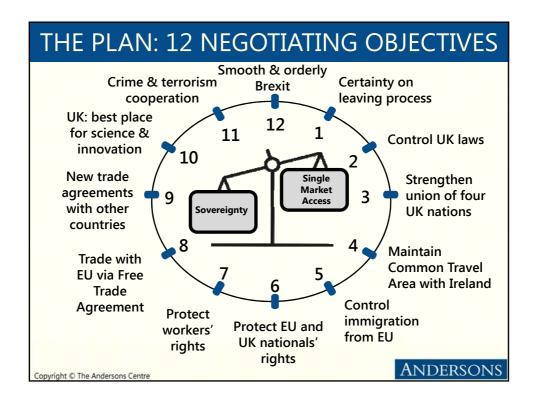
- As WTO, but UK decides to set low tariffs on imports
- Low food prices due to cheap imports, but major upheaval for UK producers
- Some right-wingers favour this option
 - or, UK Govt to grant access to cheap food imports as part of a future free-trade deal

WTO Trading – Low UK Tariffs

UK sets a low tariff, market prices in the UK at world levels (cheap food)



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EUROPE'S POSITION

• There are two sides to a negotiation!



- EU Commission (and German) position is that UK cannot 'cherry pick' bits of the EU
 - UK must be 'worse off', or others might leave
 - if politics v economics politics wins
- Even in economic terms the desire for a deal is not clear
 - split between those countries that do a lot of trade with the UK (Germany, Ireland, Neth., France) and those that don't and have different focus, i.e. labour (Poland, Romania)
 - within countries: French farmers versus French financial services
 - all countries must agree
- Theresa May 'no deal is better than a bad deal'

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THE TALKS

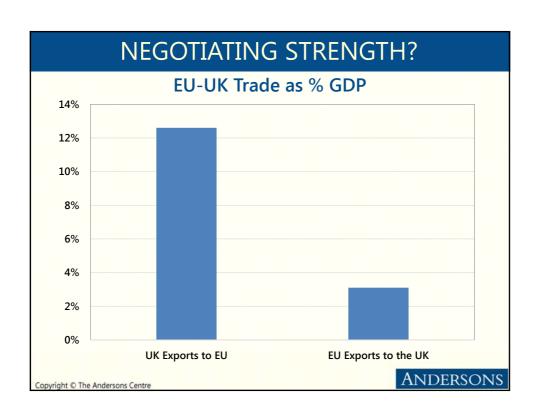
'Exit' Talks

- EU requires 'progress' on this before trade talks start
- Covers areas such as;
 - UK's obligations to EU i.e. £££s
 - status of EU citizens in UK and British citizens in EU countries
 - Ireland
- Deal needs a majority of Member States + EP

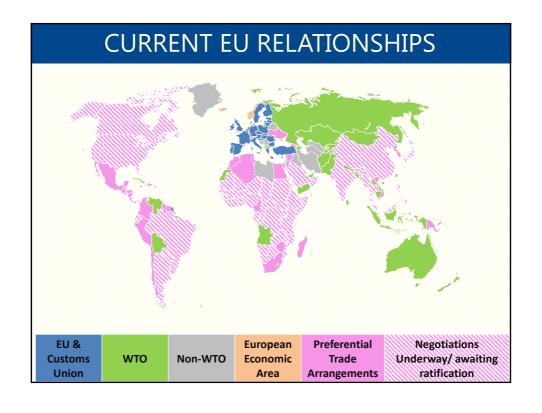
Trade Talks

- More complex (and lengthy) than exit talks
- Deal required to be agreed unanimously by Member States
- What is the UK's capacity for negotiation?

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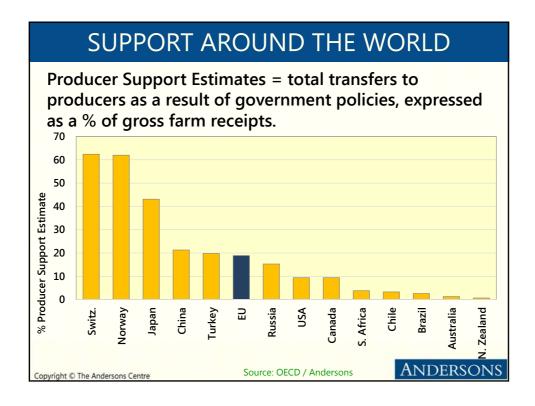
THE WTO OPTION					
EU Agricultural Tai	riffs – Selected	Commodities			
Commodity	Standard Tariff (€ per tonne)	Within TRQ Tariff (€ per tonne; %)			
Wheat <i>(feed)</i> / Barley	€95 / €93	€12 / €8-€16			
Skim Milk Powder	€1,254	€475			
Cheese (cheddar)	€1,671	€210			
Lamb (fresh/chill)	12.8% + €1,710	€0			
Beef (fresh/chill)	12.8% + €1,770	20% (frozen)			
Pigmeat	€536	€268			
Poultry cuts (fresh/chill)	€512	€0			
 Also non-tariff barriers – regulations, customs etc. Less visible but potentially more trade-inhibiting 					
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UK MARKET PROTECTION

- Tariffs not just about being able to export
 - UK farmers currently protected from (cheaper) global imports as a result of EU tariffs
- What tariff level will the UK set, once it is free to choose?
- Adopting current EU tariffs is much easier in WTO terms
 - this could see UK prices rise for farm commodities in which we have a trade deficit
- Will the UK reduce current protection (over time)?
 - as part of FTA with other countries USA, Australia, Brazil
 - unilaterally as part of a 'cheap food' policy
- Defaulting to 'WTO trade' not as simple as often stated
 - WTO rules generally do not allow trade discrimination on the grounds of 'quality' - e.g. animal welfare **ANDERSONS**

THREE-STAGE BREXIT? Sept Mar +1 years? Jan Mar 2018 2019 2017 2017 +5 years? published triggered 'Exit' talks Ratification 18 months Transitional Deal: Free-trade UK retains (some) Single 'Plan' 50 Market access in return for?? 'Sunset' clause. Transitional trade talks Trade Talks with Rest of World **ANDERSONS** Copyright © The Andersons Centre



EXAMPLE SUPPORT SYSTEMS

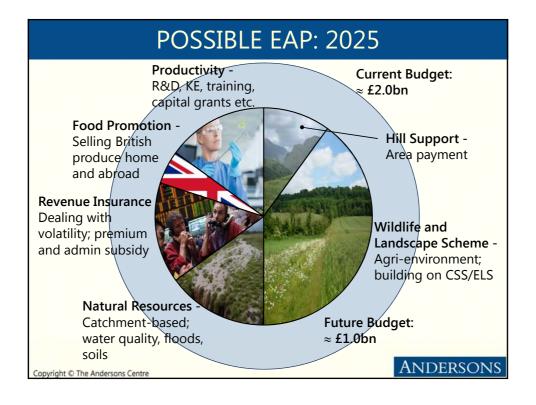
- New Zealand has no direct support or market measures;
 - public spending on animal disease control, natural disaster relief and agricultural research and knowledge transfer
- Australia much like NZ with additional spend on;
 - drought preparedness and resilience, environmental conservation and risk management
- US Farm Bill budgets \$956bn of spending over 10 years;
 - includes food stamps leaving \$200bn for agriculture
 - commodity programmes Govt deficiency payments and revenue protection
 - crop insurance private, but subsidised price & yield risks
 - conservation and other programmes
- Norway basically, every form of support

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FUTURE FARM SUPPORT

- Post-Brexit, some interaction with trade talks
 - cheap food policy *might* be offset with higher support
- Unclear how 'devolved' policy might be
 - a 'UKAP' with opportunity for limited national tweaks, or
 - each country has its own policy (EAP, WAP, SAP, NIAP etc.)
 - how is the money distributed current %s, or Barnett formula
- DEFRA consultation 'soon'
 - many organisations will want to have a say

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REGULATION: THE GREAT REPEAL BILL

- It only repeals one thing
 - the European Communities Act (ECA) of 1972 which enacts EU regulation in the UK
 - Bill expected to be enacted late 2017?
- 'Retain and reform' will write entire body of EU laws and regulation into domestic statute
 - gradually reviewed / adapted / removed over time
 - no 'bonfire of regulation'
 - CAP legislation is included in this process
- Even this process is more complex than it looks
 - EU Directives: written into National law
 - EU Regulations: S.I.s given effect by ECA. Often refer to EU bodies which will no longer have jurisdiction

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CONSTITUTIONAL ISSUES

- Scotland voted 62% to remain
- 'IndyRef 2' not necessarily
 - EU may not allow Scotland to take on UK's membership (Spain Catalonia)
 - new members must have independent monetary policy, agreed to adopt Euro, and implement Schengen ('hard border' at Carlisle/Berwick?)
 - financial situation is unfavourable (oil price)
 - lose two referendums in quick succession and the issue dies
- 'Single Market access' a key demand for Scot Govt
- Northern Ireland is the only part of UK with a land border with EU
 - special arrangements with The Republic?

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LABOUR

- Not just seasonal fruit pickers
 - extended growing seasons and multiple crops more than a couple of months working periods
 - food manufacturing and processing abattoirs etc.
- Statistics difficult to come by (due to free-movement)
 - NFU estimates hort. alone needs 80,000 seasonal workers
- Already short-term problems
 - weaker £ makes wages 10-15% lower (in Euro terms)
 - Brexit vote sending a 'message'
- Seasonal Agricultural Workers Scheme looks possible
 - would not address permanent labour shortfalls
- Exporting production or a step-change in automation?

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TECHNOLOGY

- Areas where EU is 'holding back' agriculture
 - adoption of genetic-modification technologies
 - authorisation of pesticides
- Reasons why UK may not depart too much from EU;
 - short-term, still bound by EU rules until we leave
 - Single Market access may see us have to accept EU rules
 - even under arms-length arrangements, we would still want to sell to Europe – and thus produce to their standards
 - requirement to set up domestic authorisation systems
- Lobby groups will be as powerful in Whitehall as they are in Brussels

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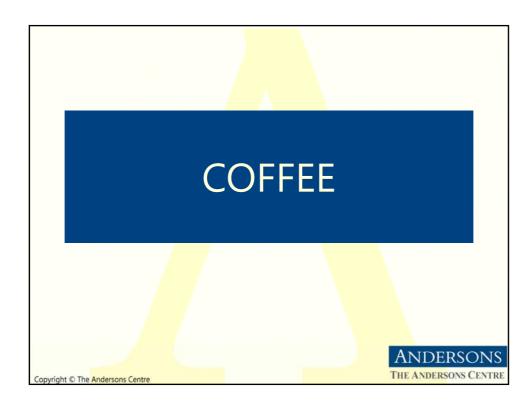
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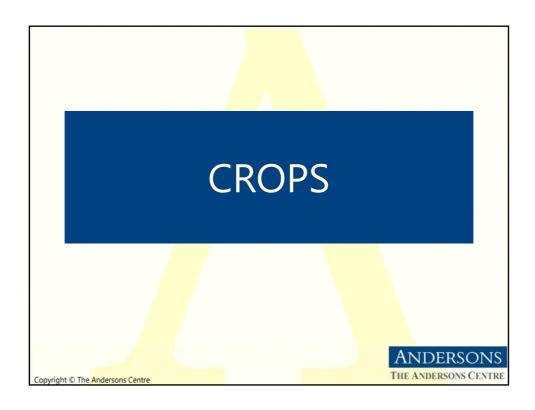
OPPORTUNITIES FROM BREXIT

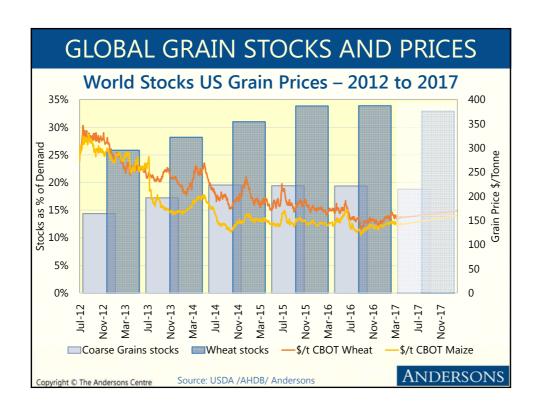
Change Also Presents Opportunities . . .

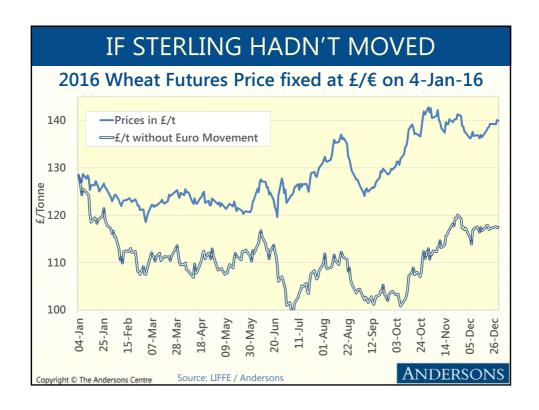
- Outcome of trade negotiations depend on the details
 - we are net importers of most ag. commodities
 - scenarios with tariffs, TRQs etc. where UK prices rise
- Not guaranteed that support will fall; even if it does...
 - a better policy should allow us to do more with less
 - much of BPS flows away in costs such as rent and inputs
- Opportunities in global food markets
- Better (perhaps not less) regulation is possible
- Sterling could weaken further
- A spur for efficiency gains automation, global best practice etc.

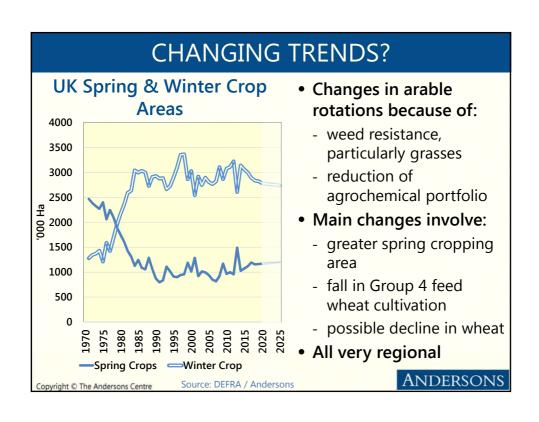
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CEREALS PRICE PROSPECTS

- Plenty of cereals at a global level
 - stocks have risen for 4th year in a row post-harvest 2016
- Early planting trends for 2017 suggest less wheat
 - a 'weather event' may not be enough to boost prices greatly
- UK price being buoyed by currency
- Current forward prices for harvest 2017 similar to 2016
 - November feed wheat circa £130 per tonne profitable?
- · Oilseed prices firmer than cereals
 - lower 2016 EU & UK oilseed rape harvest; soya not in surplus
 - may continue through 2017 harvest, but global soya area could rise if wheat falls
- Beans require human consumption premium

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LOAM FARM MODEL

- 600 Ha of combinable crops (W. Wheat, W. OSR, S. Beans)
- 240 owned, 360 FBTs; owner, 1 FT worker & harvest casual

£ per Ha	2014 [®]	2015 [®]	2016 [®]	2017 ³
Output	1,132	1,048	1,054	1,163
Variable Costs	425	431	421	394
Gross Margin	707	617	633	769
Overheads	407	404	394	414
Rent and Finance	218	243	242	243
Drawings	75	75	77	77
Margin From Production	7	(105)	(80)	35
BPS / SPS + ELS	226	179	213	213
Business Surplus	233	74	133	248
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SOME SIMPLE RULES-OF-THUMB

'It is difficult to make predictions. Especially about the future' – Niels Bohr

- 1. If the UK gets good Single Market access for agricultural goods then there will be little price effect
- 2. Where the UK produces a *surplus* of a commodity (wheat, OSR, lamb) then the farmgate price is likely to fall if we do not have Single Market Access If we are outside the Single Market, for commodities where the UK is a net *importer* then;
 - prices would rise if the UK puts on EU-equivalent tariffs
 - farmgate prices could fall under a low-tariff regime
- Many farm products are both imported and exported. Complicated!

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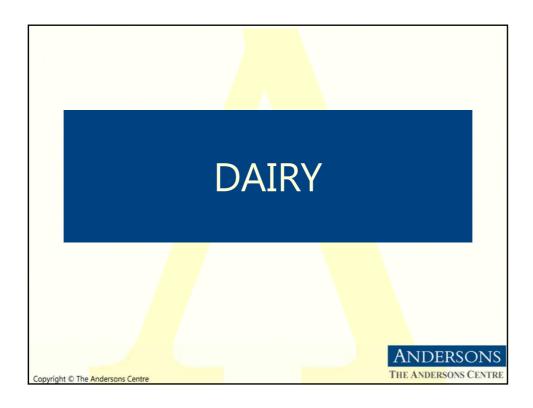
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LOAM FARM – BREXIT EFFECT

- 600 Ha of combinable crops (W. Wheat, W. OSR, S. Beans)
- 240 owned, 360 FBTs; owner, 1 FT worker & harvest casual

£ per Ha	2017	2025 Good access	2025 Bad access	
Output	1,163	1,147	1,064	
Variable Costs	394	411	411	
Gross Margin	769	737	654	
Overheads	414	425	432	
Rent and Finance	243	209	152	
Drawings	77	77	77	
Margin From Production	35	26	(8)	
Subsidy	213	143	72	
Business Surplus	248	168	64	
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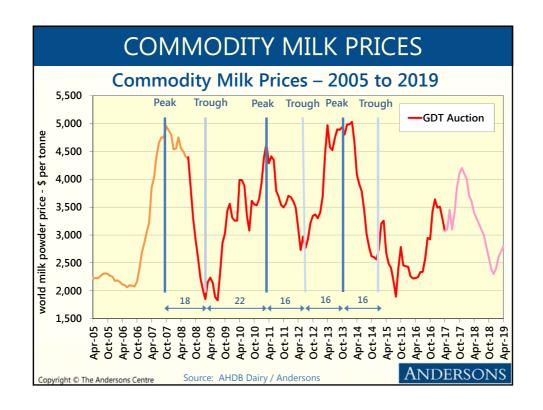
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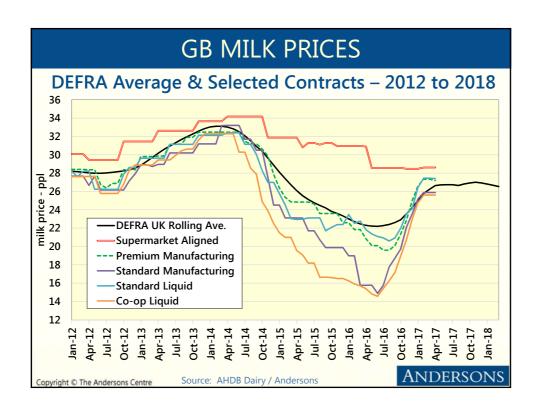


FUTURE MILK SUPPLY

- Global production to rise circa 1% in 2017
 - a recovery after little or no growth in 2016
 - of the 5 major exporters, only Australia to see a reduction in 2017
- New Zealand to increase by 3%?
 - recent storms may dent this
- US has been largely insulated from dairy 'crisis'
- EU production up 3% in H1 of 2016, then down 2% in H2
 - overall, around a 0.5% increase in 2016 likely to be similar for 2017
 - Ireland and Netherlands have led increases
- In summary output rising

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FUTURE UK MILK PRICES

- UK prices currently directionless
 - processors waiting until after the spring flush
- Perhaps little movement until the autumn
 - any further commodity market increases may well be 'absorbed' in the UK
- Average price for 2017/18 milk year circa 26-27ppl?
 - range around this, depending on contacts
 - divergence in prices has reduced
- Unlikely to go to 30ppl+ in this 'cycle'
- 3-5ppl of increases due to exchange rate
- Volatility will continue
 - prices could be heading down again by 2018

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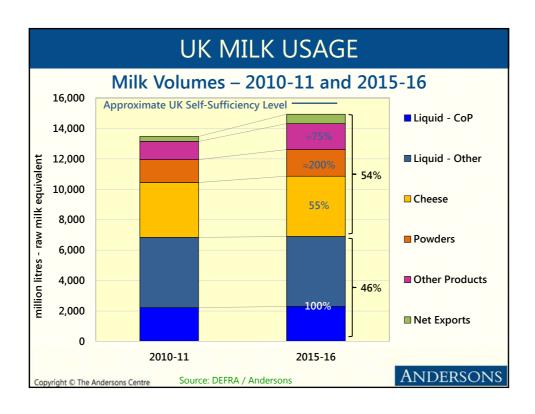
DAIRY COSTS AND SYSTEMS

- Inflation pushing many costs upwards
 - especially feed, fertiliser and fuel
 - also temptation to 'relax' after a period of cost-cutting
- But, a requirement to keep a lid on increases
- Seasonal calving, forage-based systems have the lowest costs of production
 - processors should work with this, rather than against it
 - 'vested-interests' in promoting high-output AYR systems
 - AHDB costings data being revamped to reflect different production systems

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FRIESIAN FARM MODEL					
150 cows plus followers on 100 Ha (part rented)					
 Year-round calving, lie 	quid cont	ract. Owne	er + work	ær	
ppl	2014/15 [®]	2015/16 [®]	2016/17	⁷ 2017/18	
Milk	29.4	22.6	23.2	27.0	
Total Output	32.1	25.2	25.8	29.6	
Variable Costs	13.2	12.0	11.5	12.2	
Overheads	11.0	9.7	9.5	9.5	
Rent, Finance & Drawing	gs 4.7	4.8	4.9	5.3	
Total Costs of Productio	n 28.9	26.5	25.9	26.9	
Margin From Production	n 3.2	(1.3)	(0.1)	2.6	
BPS/SPS + ELS	1.9	1.6	1.8	1.8	
Business Surplus	5.1	0.3	1.7	4.4	
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HARD BREXIT EXAMPLE: UK MILK PRICE

- Difficult to forecast farmgate milk price changes due to many different sub-markets for milk products
- Downwards pressure on prices from;
 - need to find non-EU buyers for 'surplus' milk powders
 - restrictions on raw milk from NI to Republic for processing
 - UK may set somewhat lower import tariffs on products like cheese than EU (EU is in surplus; UK a sizeable importer)
- Overall, a 10% price fall assumed in Friesian Farm model
- Cull and calf prices also reduced (manufacturing beef)
- Farmgate milk prices may be (even) more closely linked to end-use in future
- May be a 're-orientation' of processing over time to fill import gaps

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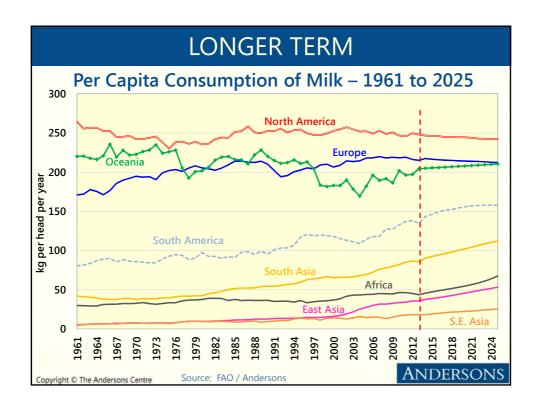
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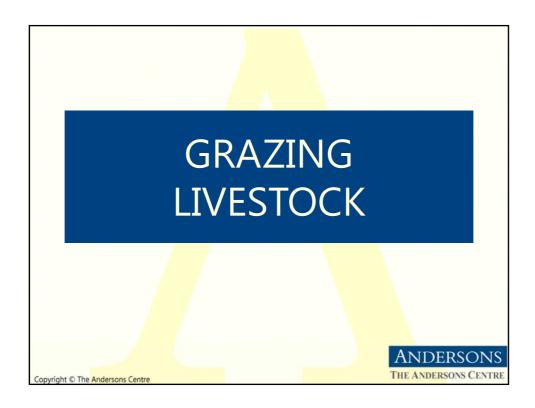
FRIESIAN FARM – BREXIT EFFECT

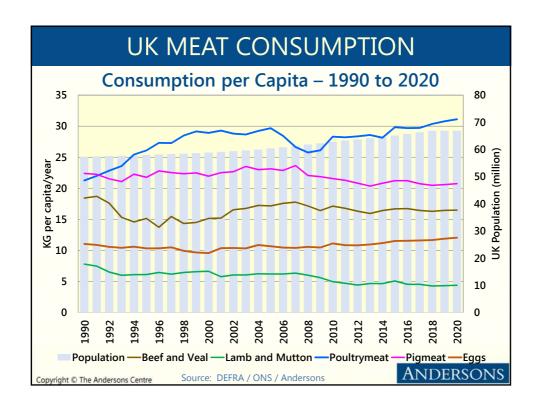
- 150 cows plus followers on 100 Ha (part rented)
- Year-round calving, liquid contract. Owner + worker

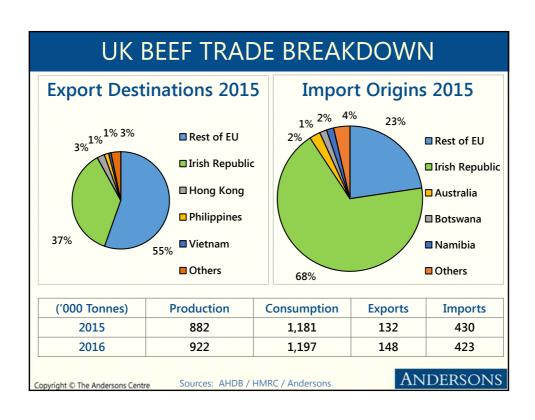
ppl	17/18	25/26 Good access	25/26 Bad access
Milk	27.0	26.9	24.2
Total Output	29.6	29.4	26.5
Variable Costs	12.2	12.5	11.5
Overheads	9.5	9.6	9.9
Rent, Finance & Drawings	5.3	5.1	5.0
Total Costs of Production	26.9	27.2	26.5
Margin From Production	2.6	2.2	0.0
Subsidy	1.8	1.2	0.6
Business Surplus	4.4	3.4	0.6
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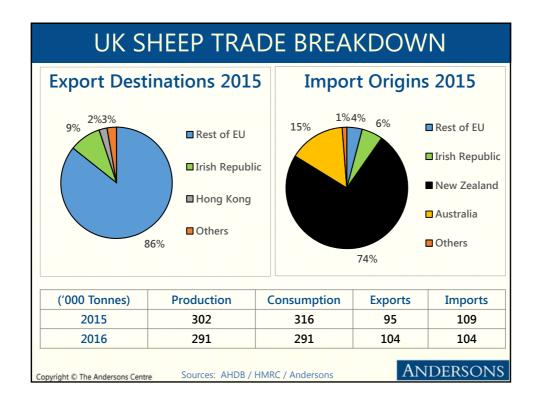
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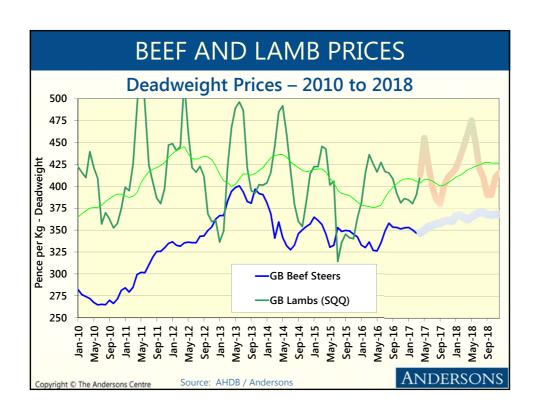








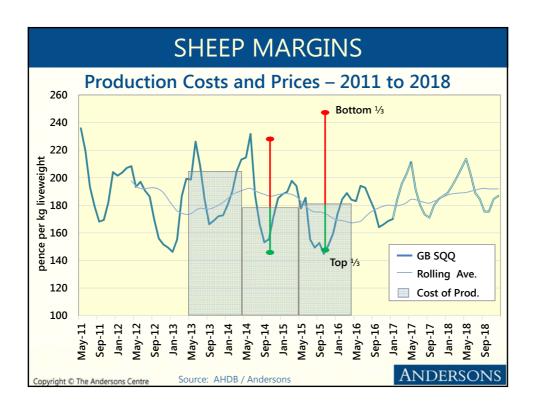




BEEF AND SHEEP OUTLOOK

- Weaker £ has provided a boost to output prices
 - exports: cull cows and lambs
 - imports: more expensive, especially Irish beef
- Beef markets remain finely balanced
 - supplies to UK market forecast lower in 2017: fewer dairy cullings and lower finishing weights
- Supplies of sheepmeat look robust for 2017
 - large carry-over of 2016 crop into 2017 slow finishing
 - slightly larger breeding flock increase in lamb crop
- Prices look likely to at least maintain 2016 levels, but
 - highly dependent on exchange rate
 - UK consumer demand uncertain inflation and lower economic growth

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MEADOW FARM MODEL

- 154 Ha mixed lowland farm (114 Ha owned, 40 Ha FBT)
- Beef (suckler cows, finished bulls, sheep and arable)
- Proprietor, 1FT family worker & casual

£ per Ha	14/15 [®]	15/16 [®]	16/17 [®]	17/18 ³
Livestock Gross Margin	567	574	624	627
Crop Area Gross Margin	644	520	681	553
Total Gross Margin	584	564	637	610
Overheads	495	491	475	484
Rent, Finance & Drawings	310	310	318	321
Margin From Production	(222)	(238)	(156)	(195)
SPS/BPS and ELS/CSS	229	194	213	230
Business Surplus	7	(44)	57	35

Source: Andersons ① Result ② Estimated ③ Budget

MEADOW FARM - BREXIT EFFECT

- 154 Ha mixed lowland farm (114 Ha owned, 40 Ha FBT)
- Beef (suckler cows, finished bulls, sheep and arable)
- Proprietor, 1FT family worker & casual

£ per Ha	17/18	25/26 Good access	25/26 Bad Access
Livestock Gross Margin	627	598	501
Crop Area Gross Margin	553	525	461
Total Gross Margin	610	583	493
Overheads	484	498	502
Rent, Finance & Drawings	321	311	302
Margin From Production	(195)	(227)	(312)
Subsidy	230	155	78
Business Surplus	35	(72)	(233)
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BALLA WHATNOT

- 200 acre mixed lowland farm (81 Ha)
 - Note, Meadow Farm = 154 ha
- 40 suckler cows (progeny all finished)
 - 96% of English price assumed (but, lower marketing costs)
- 250 breeding ewes (lambs finished)
 - 94% of English price assumed (but, lower marketing costs)
- 50 acres of spring barley grown
 - price equivalent to England (some home-fed)
- All owner-occupied (no mortgage), no rented land
- Support payments under the Agriculture Development Scheme

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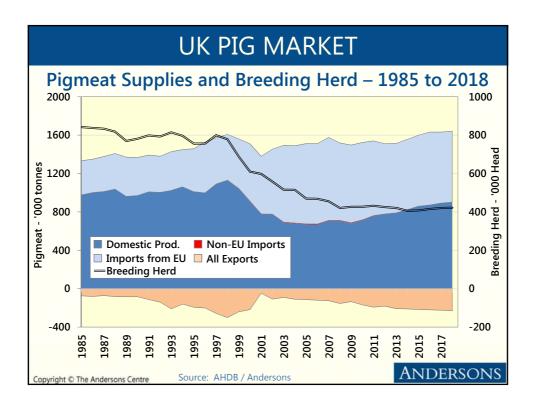
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BALLA WHATNOT ~ 2

- Costs generally reduced by 60% to reflect smaller farm size compared to Meadow Farm
- But, then adjusted to reflect Manx specifics. All the following cost categories given uplifts;
 - concentrate feed, fertiliser, machinery repairs, tractor fuel, electricity, contract charges, property repairs
- Drawings (to support one family) at £20,000
- In modelling Brexit effect, assumed that all price changes track those in the UK
 - plus subsidy also fall in line

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BALLA WHATNOT - BREXIT EFFECT					
 200 acre (80 Ha) mixed lowland farm Beef, sheep, and spring barley 					
£ per Ha	17/18	25/26 Good access	25/26 Bad Access		
Livestock Gross Margin	608	582	501		
Crop Area Gross Margin	607	582	461		
Total Gross Margin	608	582	493		
Overheads	560	575	502		
Rent, Finance & Drawings	265	265	265		
Margin From Production	(218)	(258)	(343)		
Subsidy	205	137	70		
Business Surplus	(12)	(121)	(273)		
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BREXIT: PIGS AND POULTRY

- Appear relatively unsupported currently but there is tariff protection from non-EU imports:
 - €60-80/100kg pig meat
 - €13-60/100kg poultry meat
 - €3.50/100 chicken eggs
 - TRQ for poultry mainly Brazil and Thailand
- Up to 70% of CoP is feed cheaper cereals and proteins
- Rules on animal housing and welfare unlikely to change (non-tariff barrier)
- Self Sufficiency:
 - Pig meat; 62%, Poultry meat; 87%, Eggs; 85%

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SUMMARY AND CONCLUSIONS

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SHORT TERM

- Output prices improved in most sectors by weak £
 - also boosted support payments
 - £ could go in any direction from here
- Cyclical market improvements in some sectors
 - e.g. dairy and pigmeat
- Inflationary pressure on costs
- Capital base still strong despite faltering land prices
- Productivity improvements and RoC lacklustre
 - although averages hide the range in performance
- Wider economy still robust
 - helps diversification
- But, there may be turbulence ahead . . .

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LONG TERM

- Brexit is casting a long shadow
 - much uncertainty, but farm support *will* change and trade arrangements almost certain to alter
 - could be years before the full effects become clear
- Likely to be a period of upheaval and accelerated restructuring in UK agriculture
- Farmers need to focus on what they can control
 - the efficiency and competitiveness of their own business
 - suppliers / advisors / buyers / (govt?) need to help in this
- UK agriculture will survive and perhaps even prosper post-Brexit
 - but not all individual businesses will

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