ADVERTISER'S ANNOUNCEMENT



For all your BDGP queries, contact the Irish Cattle Breeding Federation on 1850 625 626, email query@icbf.com or log on to www.icbf.com

Replacement strategy – Al

RDGI

Beef Data & Genomics Programme

ver half of the 27,400 herds involved in the Beef Data and Genomics Programme (BDGP), currently use some level of Al. Feedback from the current round of BDGP information meetings, suggests this is likely to increase with the new scheme, as participants look to increase the number of 4-star and 5-star females in their herds. So what are the main advantages of using AI and how can herd-owners ensure that when using AI, they are meeting the scheme requirements regarding male and female replacement strategy.

Advantages of Al: The main advantages of using AI to breed replacement females are: (i) choice of sire, and (ii) data reliability. The ICBF Active Beef Bull List (see this week's Irish Farmers Journal AI supplement) indicates that there are almost 70 bulls available in Al catalogues that have 4 or 5 stars on the replacement index on an across-breed basis. This is across all of the main beef breeds (some 10 breeds in total), with an average replacement index of €108, and reliability of 73%.

Bull Teams: When using Al, herd-owners can decide to use a smaller number of wellproven sires (over half of the bulls on the active bull list are well-proven for milk and fertility) or alternatively use a higher number of younger Al bulls. The latter is a common approach in dairy breeding, where herdowners prefer to capitalise on the higher index of younger AI bulls (albeit at lower individual reliability) by using a team of four to five AI bulls

It is also a concept the ICBF and the partner AI companies (Munster Cattle Breeding, Progressive Genetics and Dovea Al) are promoting as part of the G€N€ IR€LAND programme. The average replacement index of young bulls available through that programme is €125. More details on the G€N€ IR€LAND Programme are also included in this week's Irish Farmers Journal Al supplement or alternatively contact ICBF directly on 1850 600 900 or 045 521 573

Using AI to meet the scheme requirements? The primary scheme requirement in relation to AI is that 80% of the AI used on participating farms from 30 June 2016 is from a 4-star or 5-star Al bull on either the replacement or terminal index (on a within-breed or across-breed basis). While this should not present a problem at the Al bull level, there is a real risk that unless herd-owners understand how to effectively use AI, then they will not meet the scheme requirements regarding 4- and 5-star replacement females.

Work undertaken by Teagasc has indicated that herd-owners looking to breed a 1-star cow to get a 4- or 5-star replacement female. need to use a bull with a replacement index of €195 or more (see Table 1).

Similar cut-offs are given for other categories of females based on their replacement index. The key message from that piece of work is that AI gives farmers options regarding all potential breeding females on their farm.

Scheme participants should be mindful of this fact when deciding on which replacement strategy to apply on their farm in Spring 2016 and going forward in the new programme.

Table 1: Generating 4 and 5 star replacements.

Target Replacement Index	€74	€74	€74	€74	€74
Sample Cow stars	*	* *	* * *	* * * *	****
Sample Cow Index	€10	€40	€60	€80	€100
Recommended bull index	€195	€165	€145	€125	€105

DATES FOR THE DIARY

29 October: Teagasc/Munster Al Suckler Event, Castleisland Mart at 7:30pm.

4 November: Munster Al Suckler Event, Cashel Mart, at 7:30pm

12 October to 5 November: DAFM, ICBF, Teagasc BDGP Nationwide Information meetings. (One to one sessions: 5-8pm)

▶ Thur 29th Oct: Radisson Blue Hotel, Letterkenny

▶ Tue 3rd Nov: Treacy's West County Hotel, Ennis

- ►Wed 4th Nov: Mullingar Park Hotel, Mullingar
- ▶ Thur 5th Nov: Seven Oaks Hotel, Carlow
- All meetings commence at 8pm



Farming system: Suckler to beef. **BDGP Cow Reference No:** 66.

4 and 5 star females: Cows 31: heifers 28 Stock Bull or AI: 100% Al.

Replacement strategy: Breed all of my own. Why did you join the BDGP? I'm always looking to improve and genomics will hopefully enable me to make better decisions, particularly around which females to retain for breeding. Going by the indices on my stock, the herd is already in a pretty good place in relation to the 2018 and 2020 targets, so it made total sense to join.

Do you feel it will deliver for the national suckler herd? I think it will help to improve things and going by the fertility performance statistics of the national herd, there is massive scope for improvement. Indices aren't everything, but by the same token appearance isn't everything either. A more balanced approach to breeding is needed.

Do you use the €uro-Star indices when selecting Al bulls? I have been for a good while. Up to now I've been using a mix of maternal and terminal bulls. I plan to place more emphasis on the Replacement Index in future while also maintaining good carcase performance. I like to see a bull with a carcase figure of 30kg or more. Docility is something which I also plan to watch very closely. Wild cattle are just a nightmare to have to deal with.

What is your management routine around AI during the breeding season? I start breeding heifers in mid-April and cows maybe two weeks after that. I get two of my own bull weanlings vasectomised every year and these are fitted with

NEXT BUYING IN REPLACEMENTS



chin balls. I check the animals two or three times per day. Cows observed in heat in the morning are served that evening and those at night are served the next morning. I use iron stakes and reels to make temporary roadways to the crush. My conception to first serve varies between 60% and 70% with everything calved in about eight weeks in spring. I had seven empty cows at scanning this year which is about 10%. I've been using AI a long time now and it gives me great flexibility through the choice of bulls and allows me to make a high level of genetic gain at a relatively low cost.

Al gives me great flexibility

Name: David Kinsella, New Ross, Co Wexford.

bulls? Absolutely not. Every bull has its own index and this should be looked at fore deciding to use any II. It is also important to used for both the Terminal and Replacement Index as rtant to look for a high star ing on the index or trait you are looking to improve Q. I have an AI catalogu from 2013. Can I go by index figures in this? updated three times per yea (April, August and Decem-). Al companies generally nt one main catalogue r year and sometimes int updates with new bulls . throughout the year. It is important to check bulls to check their most up to date figures on www.icbf. com. Local Al technicians to provide you with an up to date catalogue.