

Using Absolute catheter in Spain 在西班牙使用Ab™授精管

Spain, with 2.6 million breeding sows, is the second largest census of the EU, applying the technique of artificial insemination, in over 90% of the holdings of intensive production.

西班牙，有 260 万育种母猪，是欧盟第二大；应用人工授精技术的生产，超过 90 %。

I have spent 20 years working as a researcher at the Centre for Spanish administration, in the field of breeding pigs. Throughout these years, I have had the opportunity to deepen the understanding of the physiology of reproduction, and then applied the latest techniques that could improve the performance of productive farms.

我已花了 20 年在西班牙政府当局的工作作为一个研究员，领域为育种猪研究。这些年来，我有机会深入了解的生理繁殖，然后应用最新的技术，来改善农场的表现，生产力。

So far, in order to ensure success with artificial insemination, it was necessary to use dosage seminal tempered and introduce diluted semen slowly, in order to avoid the occurrence of the reflux of the same. This required keeping one or two operators dedicated to the insemination, an average of 8 minutes per sow, with the workforce, one of the parameters of a more expensive operation.

到目前为止，为了确保人工授精成功，有必要使用剂量精液锻炼和慢慢地引进稀释精液，为了避免出现回流。为此，需要保持一个或两个员工专为人工授精，每母猪平均 8 分钟，随着劳动力，其中一个昂贵的参数。

When we started working with the Absolute system, which impressed us most was the ease of use and the speed with which you can insemination do it in a sow. Later, when you introduced the system on a farm and is used routinely, you realize that Bought unconsciously, a special touch to see if the sow is dilated or should relax and the worker "likes" inseminate. For us, farm advisors, the system Absolute gives us a very effective tool to solve different types of problems, as it prevents the heat dose, the system learns very fast, we have fallen to 1 minute per insemination, with the consequent saving manpower and we have reduced the number of people dedicated to inseminate.

当我们开始用 ASIC™系统，我们留下深刻印象。最深的是它的易于使用和速度。然后，当您介绍了该系统到一个农场，常用时，你知道，在不知不觉中发觉了一个特别的接触，看看是否母猪是扩张或应放松；职工也会“喜欢”授精的工作。对我们来说，作为一个农场的顾问，该系统绝对给我们十分有效的工具，以解决不同类型的问题，因为它阻碍了发情剂量，系统学习非常快，每授精我们已经下降到 1 分钟，与相应的节省人力。我们已减少了多少致于授精的人力。

Another highlight is the number of inseminations. With the system of Absolute, with just two inseminations, divided by the number of days from weaning to oestrus, we have facilitated the work of many farms previously done by 3, even 4 inseminations in the same sow. Apart from savings in the number of doses, the protocol will provide work to the worker and not have to "think". Just to devote more time to heat detection and then, depending on the weaning – oestrus period, to establish the time of the inseminations. Then you learn the protocol and the workers are grateful.

另一个亮点是授精次数。该 Ab 系统，只用两次，除以从断奶到发情天数，有利于我们在很多农场的工作。在相同的母猪，以前是做三，四次的授精。除了可节省多少剂量，该议定书将提供工作的做法，而员工不需要“考虑”。能把更多的时间用于发情检测，然后，根据对断奶-发情期，以确定授精时间。您了解了议定书和员工也表示感谢。

The letter that we keep in the sleeve is productive results. Once detected problems in handling and insemination resolved and facilitated the work with the system Absolute just have to wait for the results. In the last farm where we began to work with the Absolute, we have increased by 9% the results of fertility to 25 days of gestation and "summer". And in terms of the piglets, always increase the previous data. An example, the data from these farm 950 sows:

我们還留在袖子上是生产力的结果。一旦发现在处理上和授精的问题,解决了后;用 ASIC 系统只是要等待结果。在一个农场,我们开始用 ASIC™,在“夏天”的环境,我们增加了 9 %的生育率。并在活仔猪数,始终比以前的数据增加。举例来说,数据从这农场的 950 个母猪:

The trial took place in a 950 sow farm, which routinely uses artificial insemination with a traditional spiral disposable catheter.

在这一个 950 母猪农场,其使用传统的螺旋即弃的导管。

The productive parameters of the farm during 2006 were:

生产数据,该农场在 2006 年分别为:

FERTILITY: 80.7

方娩率: 80.7

TOTAL PIGLETS BORN: 11.1

总产仔数: 11.1

PIGLETS BORN ALIVE: 10.3

活仔数: 10.3

PIGLETS BORN DEAD: 1.1

死仔数: 1.1

the results obtained was as follows:

結果如下:

The trial started in February and it lasted until the first week of June 2007. A total of 15 weeks of services were studied. The first week just 20% of the sows were bred with intra uterine system, gradually increasing that percentage until June, when the 100% of the sows were bred with Absolute ®.

实验在 2 月开始，一直持续到 2007 年 6 月的第一周。共 15 个星期的授精进行了研究。第一周只有 20 % 的母猪是用子宫内制度，逐步提高这比例，直至 6 月，当 100 % 的母猪同 Ab 管。

The results were as follows:

結果如下:

Catheters 授精管	Sows Bred 母猪 育成	Total Farrowed Sows 产仔母猪 总数		Failures 失败	Adjusted Efficacy 调整后的疗效	
		No.数	%率		Fertility 生育	%率
Traditional 传统	370	286	77.3	55	318	85.9
Absolute Ab	335	285	85.1	40	295	88.1

Catheters 授精管	No. Farrowed Sows 产仔母猪 总数	Born Piglets 出生仔猪					
		Live Born 活仔	Mean 平均指数	Dead Born 出生死亡	Mean 平均指数	Total Born 总产仔数	Mean 平均指数
Traditional 传统	286	2960	10.3	330	1.2	3290	11.5
Absolute Ab	285	3078	10.8	354	1.2	3432	12

Actually, the Absolute system is a tool for Veterinary, which helps you to "sort" and capitalise on the time of workers in the management of the covering of the sow, while easier to obtain the best results productive.

其实，Ab 系统是供兽医一个工具，帮助您“排序”，并充分给员工利用时间来管理，覆盖母猪，而更容易取得最好的结果。

Now our challenge is to obtain the greatest benefit of this system insemination, working with the frozen semen. And you tell!

现在我们面临的挑战是，以获取最大利益，用这个制度于冻精工作。

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