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Introduction	Introduction
 In the late 1980's, interest on AI was rekindled by: the desire to acquire, introduce and multiply superior genetics in breeding herds, development of techniques to extend the volume of semen from one ejaculation to several doses and to lengthen the shelf life of extended refrigerated semen for several days, easy access of materials (i.e. extenders, disposable catheters, squeeze bottles, sterile lubricants) needed for AI 	 to date, AI is considered part of the practices of swine breeder and commercial farms data from SBFAP indicated that 100% of the accredited swine breeder farms practice AI. semen produced in-house, acquired from local stud farms and/or purchased from foreign semen laboratories are used for AI some farms still practice natural mating in gilts and sows that failed to conceive after AI

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	Introduction	The Philippine swine industry
	 adoption of AI in commercial hog farms is estimated at 70-80% in backyard farms, adoption of AI is estimated at 20-30% boar for hire service remains popular among small swine raisers in hard to reach areas nevertheless, AI is continuously gaining popularity among large commercial and small pig producers AI technology is perceived by government and private industry players as vital in achieving the desired productivity, efficiency and growth of the Philippine swine industry 	 2016 swine inventory is estimated at 12.48 M hd of which 7.96 M hd (63.78%) are in backyard and 4.52 M hd (36.22%) are in large commercial farms 2016 volume of production is estimated at 2.23 million MT 2016 value of production is Php211.43 B Swine ranks 3nd after rice and fishery industries in terms of contribution to GVA in Agriculture 2015 per capita pork consumption is 15.05kg 2015 self sufficiency in pork is 90% The Philippines is FMD free
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Recent technologies in pork production	Recent technologies in pork production
 new technologies in swine breeding, nutrition, health care and in housing and management have significantly improved the productivity, efficiency and product quality of the swine industry molecular methods of selection and breeding are widely used swine breeders molecular methods of selection and breeding improve the efficiency of selecting desired traits and facilitates culling of individuals that carries negative genes 	 potentials of genetically superior animals that are produced thru genomic selection will only be realized if these are multiplied and used for pork production AI offers the opportunity to maximize the utilization of genetically superior animals extensive use of AI in commercial pork production is limited to extended refrigerated boar semen AI component technologies to evaluate and ensure high viability of sperm after processing and preservation offer the opportunity to optimize the use of genetically superior boars
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Conclusion

- molecular methods of breeding and selection have significantly improved the efficiency of selecting individuals that possess desired traits and culling of negative genes from swine breeding herds
- the method facilitates identification of genetically superior breeder animals
- the potential benefits from genetically superior animals will only be realized if their genes are multiplied, distributed used for commercial pork production
- Al offers the opportunity to efficiently multiply and distribute superior genetics
- further development of AI and its component technologies that complements genetic improvement efforts needs to be pursued

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Thank you for your attention!

For more information please contact:

Dr. Synan S. Baguio Officer-in-Charge Livestock Research Division DOST-PCAARRD email: synanb@yahoo.com

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