

OFFICE OF THE CITY VETERINARIAN

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Frontline Service : **VILLAGE LARGE RUMINANT ESTRUS SYNCHRONIZATION AND ARTIFICIAL INSEMINATION**

AVAILABILITY OF THE SERVICE : To be arranged with barangays (selected on the basis of their large ruminant population)

WHO MAY AVAIL OF THE SERVICE : Any farmer who has a female cattle or carabao of breeding age.

DURATION : Three (3) days at the site

- Day 1 (Examination for estrus synchronization), 15 minutes per animal
- Day 3 (1st Artificial insemination of heat-synchronized females), 15 minutes per animal
- Day 4 (2nd Artificial insemination of heat-synchronized females), 15 minutes per animal
- All females manifesting natural heat will be inseminated on site, 15 minutes per animal

HOW TO AVAIL THE SERVICE?

Step	Client	Service provider	Duration of Activity	Person in Charge	Fees	Forms
		Inform the selected barangay of the scheduled dates of ES/AI, and explains the activity	10 minutes upon delivery of letter	Dr. JACG Flor		
1	Day1: Estrus Synchronization a. Participants take their animals to the site early and set up 2 chutes to restrain their animals during examination b. Each is called by the enlister and is asked a few questions	a. Team arrives and prepares materials b. Livestock inspector lists participants and takes pertinent information about their animals	a. 10 minutes b. 5 minutes per client	a. Team b. DL Buhion		
2	a. Each farmer places his animal into the chute and secures it.	a. Performs rectal palpation to check if animal is pregnant (if pregnant, animal given vitamin injection and removed from the chute)	a. 5 minutes	a. Dr JACG Flor		
3	b. He is informed of the result of examination (pregnant, passed or rejected)	b. if the animal is not pregnant, ovarian palpation is done to check for presence of corpus luteum. i. If present, animal is injected with PGF 2 and farmer is instructed to return with the animal on Day 3& 4 for insemination), the animal is also dewormed and given vitamin injection.	b. 10 minutes	b. Dr, JACG Flor i. LUMacapil		

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		ii. If absent, animal is dewormed and given vitamin injection. c. If animal is in natural heat, livestock inspector will inseminate it right after examination of all animals.	c. 15 minutes	ii. PBDechos c. LUMacapil/DL Buhion		
4.	Day 3: 1st Artificial insemination a. Farmer brings back estrus-synchronnized animal to the site and allows the female to be rested; farmer brings female animal in natural heat. b. Farmer places animal into the chute		a. 5 minutes	a. DL Buhion		
5			b. 10 minutes	b. Dr. JACG Flor / LUMacapil		
6	Day 4: 2nd Artificial insemination a. Farmer brings back estrus-synchronized animal to the site and allows the female to be rested; farmer brings female animal in natural heat b. Farmer places animal into the chute	a. Assigned livestock Inspector prepares the semen straws to be used for insemination when the animal is inside the chute and is ready	a. 5 minutes	a. DL Buhion		
7		b. Veterinarian/Livestock Inspector performs artificial insemination using 2 straws per synchronized animal	b. 10 minutes	b. Dr. JACG Flor/ LU Macapil		
		Pregnancy diagnosis will be conducted after 3 to 6 months when the team returns to the site to conduct ES/AI. Calf monitoring will be conducted around 1 year later when the team returns to the site to conduct ES/AI.				
END OF TRANSACTION						