



# Boykin Spaniel Club

## & Breeders Association of America

***VACCINATION PROTOCOL 2021***

***PRESENTED BY THE HEALTH & GENETICS COMMITTEE  
LED BY DR. BILL HOWARD, DVM***



# BSCBAA ZOOM MEETING AGENDA

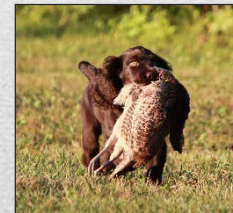
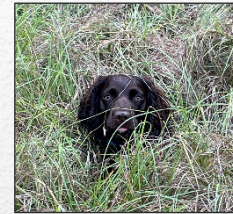
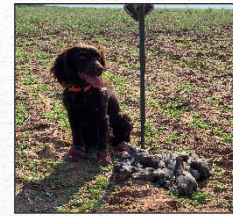
## 🐾 Welcome/House Keeping for Zoom Call

- 🐾 Zoom Call Managed by Ginger Hurley
- 🐾 Graciously provided by Greg Copeland

## 🐾 Hosted by BSCBAA

## 🐾 VACCINATION PROTOCOL

- 🐾 Types of Vaccines
- 🐾 Definitions
- 🐾 Rabies
- 🐾 Distemper
- 🐾 Hepatitis
- 🐾 Canine Parainfluenza Virus
- 🐾 Canine Parvovirus
- 🐾 Leptospirosis
- 🐾 Canine Influenza
- 🐾 Bordetella
- 🐾 Lyme
- 🐾 Rattlesnake
- 🐾 Giardia Vaccine
- 🐾 Coronavirus
- 🐾 Vaccine Schedule
- 🐾 Additional Information and Questions & Answers

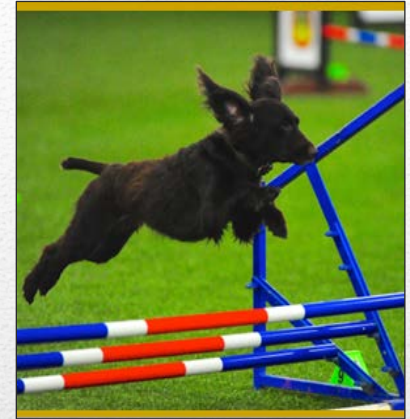




# ***TYPES OF VACCINES***

## TYPES OF VACCINES

- ❧ Killed Vaccine: Dead but antigenically active virus or bacteria which evokes protective antibodies.
- ❧ Attenuated Vaccine: Live micro-organisms or viruses cultured and adverse conditions leading to their loss of virulence, but still evokes protective antibodies. Modified Live Vaccine is the same.
- ❧ Live Vaccine: Prepared from live micro-organisms that have been changed enough to evoke protective antibodies, but not cause disease.





# DEFINITIONS

- ❧ Antigen: Substance that produces a specific immune response that leads to specific antibodies.
- ❧ Adjuvant: A vehicle used to enhance antigenicity.
  - ❧ Alum
  - ❧ Aluminum hydroxide
  - ❧ Phosphate
- ❧ Immune Response: Have to have. The bodies' ability to respond to substances interpret by the body as (not-self) – the result being immunity.
- ❧ To Achieve Immunity: Body has sufficient antibodies to prevent illness from a particular virus, bacteria, protozoa or fungi.
- ❧ Risk Assessment
  - ❧ Where do you live?
  - ❧ Exposure to wildlife?
  - ❧ Travel – where?
  - ❧ Do you hunt: Where? Hunt Test?
  - ❧ Dog Shows?
  - ❧ Board Dog?
  - ❧ Etc.





# DEFINITIONS CONTINUED

## ❧ Incomplete Immune Response:

- ❧ Dog's immune system did not build enough antibodies to be sufficient for disease.

## ❧ Declining Immunity:

- ❧ Without booster or natural boosting – The antibodies numbers will decline below protective levels.

## ❧ Immune Suppression:

- ❧ Drugs, genes, anything that will suppress the immune system's ability to produce enough antibodies to protect.





# VACCINATION PROTOCOL

## 🐾 *RABIES VACCINE*

- 🐾 Killed Virus
- 🐾 12 weeks and older
- 🐾 Gives a good immune response
- 🐾 Three-year vaccine – Most States
- 🐾 One-year vaccine – By Counties and/or Cities Ordinance
- 🐾 “Endemic” areas – usually are a one-year vaccine



## *RABIES VACCINE*



# ***DISTEMPER***

## 🐾 ***DISTEMPER***

### 🐾 Viral disease

- 🐾 Dogs
- 🐾 Coyotes
- 🐾 Foxes
- 🐾 Pandas
- 🐾 Wolves
- 🐾 Ferrets
- 🐾 Skunks
- 🐾 Raccoons

### 🐾 Contagious

### 🐾 Serious Disease

### 🐾 Affects:

- 🐾 Respiratory
- 🐾 G. I.
- 🐾 Nervous System

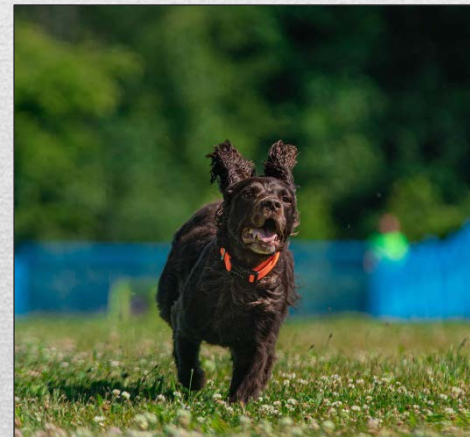




# HEPATITIS

## 🐾 *HEPATITS*

- 🐾 Viral disease
  - 🐾 Dogs
  - 🐾 Coyotes
  - 🐾 Foxes
  - 🐾 Wolves
  - 🐾 Bears
- 🐾 Contagious
- 🐾 Liver Disease
- 🐾 Also called Adenovirus I- CAV 1-2
- 🐾 Spreads:
  - 🐾 Feces
  - 🐾 Urine
  - 🐾 Blood
  - 🐾 Saliva
  - 🐾 Nasal discharge
  - 🐾 Usually contracted via nose
- 🐾 Corneal edema





# CANINE PARAINFLUENZA VIRUS

## ❖ *CANINE PARAINFLUENZA*

- ❖ Influenza like in symptoms, but not influenza
- ❖ Need a different vaccine for canine flu
- ❖ Causes tracheobronchitis symptoms

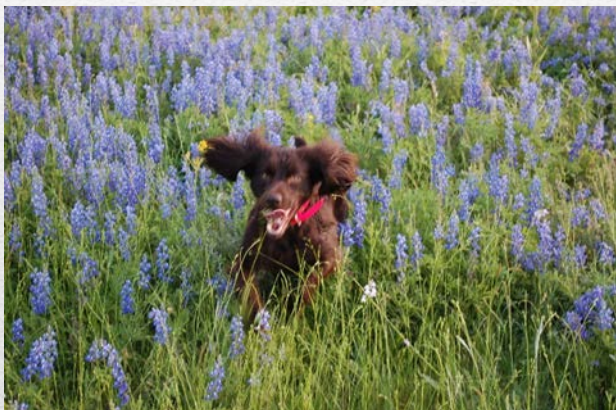




# CANINE PAROVIRUS

## 🐾 *CANINE PAROVIRUS*

- 🐾 Highly contagious
- 🐾 Spreads in feces
- 🐾 Causes G. I. disease
- 🐾 Mortality rate – 91% in untreated cases

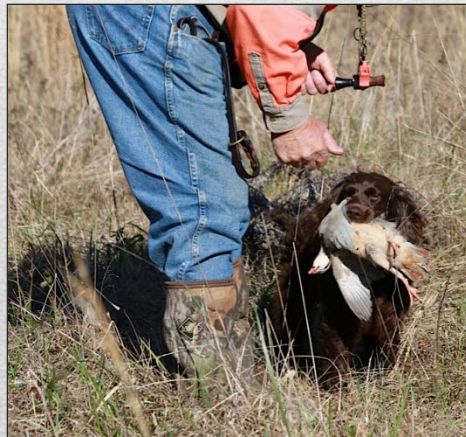




# LEPTOSPIROSIS

## ❖ *LEPTOSPIROSIS*

- ❖ Bacteria
- ❖ Soil & Water
- ❖ Zoonotic Disease
- ❖ Highly contagious with water contamination
- ❖ Annual vaccine recommended
- ❖ Affects many organism in kidneys
- ❖ Four different types of Lepto that dogs are vaccinated for.

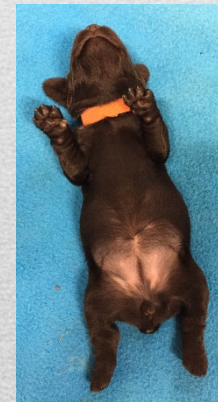




# CANINE INFLUENZA

## ❧ *CANINE INFLUENZA*

- ❧ Viral
- ❧ Respiratory
- ❧ Two Strains
  - ❧ H3N8 – Equine A
  - ❧ H3NZ - Avian
- ❧ Mortality rate less than 1%
- ❧ Cough and Nasal discharge
- ❧ Highly Contagious





# ***BORDETELLA***

## ❧ ***BORDETELLA***

- ❧ Bordetella Bronchiseptica
- ❧ Bacteria
- ❧ True Kennel Cough
- ❧ Spreads: water droplets
- ❧ Highly Contagious
- ❧ Fever
- ❧ Harsh Cough
- ❧ Intra Nasal







## ❀ *LYME*

- ❀ Bacteria – Borrelia
- ❀ Spreads through tick bites
- ❀ Fever
- ❀ Lameness
- ❀ Enlarged L.N.
- ❀ Reduced Energy
- ❀ Generalized stiffness, discomfort or pain
- ❀ Anemia

# *LYME DISEASE VACCINE*





## ❧ *LYME*

- ❧ Bacteria – Borrelia
- ❧ Spreads through tick bites
- ❧ Fever
- ❧ Lameness
- ❧ Enlarged L.N.
- ❧ Reduced Energy
- ❧ Generalized stiffness, discomfort or pain
- ❧ Anemia

# *LYME DISEASE VACCINE*





## ❖ ***RATTLESNAKE***

- ❖ Vaccine to experience less pain and reduce risk of permanent injury.
- ❖ Still treat as if dog has not had vaccine
- ❖ Series of 2-3 vaccines, 3 weeks apart. The last given 30 days before exposure.

# ***RATTLESNAKE VACCINE***



# GIARDIA AND CORONA VACCINES

## ❦ *GIARDIA VACCINE*

- ❦ Not recommended by AAHA
- ❦ Does not prevent infection

## ❦ *CORONAVIRUS VACCINE*

- ❦ Not in core vaccines
- ❦ The virus causes G.I. and respiratory systems





# VACCINE SCHEDULE

- ❧ Recommend to vaccinate dam before breeding. Antibodies are passed transplacental and transcolostrumal. Puppies nurse – ½ life of natural antibodies are 30 days.
  - ❧ 30 - ½ protection
  - ❧ 60 - ¼ protection
- ❧ Start vaccine between 6-8 weeks of age
  - ❧ Puppy immune system is starting to respond.
- ❧ We vaccinate on 3-week schedule
  - ❧ 1<sup>st</sup> DHPP
  - ❧ 2<sup>nd</sup> DHPP, Bordetella
  - ❧ 3<sup>rd</sup> DHLPP
  - ❧ 4<sup>th</sup> DHLPP, Bordetella
- ❧ Recommend to give rabies at 15-16 weeks old – better response.





# ADDITIONAL INFO ON VACCINES

- ❧ Most Vaccines – initially need 2 vaccines, 2-3 weeks apart.
- ❧ Usually yearly booster – needed - depends on exposure
- ❧ Recommend: Not to give too many vaccines at one time – spread them out every 1-2 weeks.
- ❧ Very small dogs – will divide up vaccines over 2–3-week period.
- ❧ Questions and Answers

